AVerTV 3D

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All the screen shots in this documentation are only example images. The images may vary depending on the product and software version. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

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Device Introduction

Thanks for purchasing AVerMedia's product. The table below lists an overview of the product you purchased. From this table, you can quickly learn about your product features and know which chapter you need to read.

Please do read this table before using AVerTV 3D application.

Product Name	**AVer3D Satellite TV**
Model No.	R889
TV System	Digital TV (DVB-S / DVB-S2)
Audio Mode	Stereo / Mono / SAP
Digital Radio	Supported
FM Radio	Not Supported
External Signal Source	Not Supported
Others	Teletext MHEG-5 (HK/UK only) EPG Digital Subtitle 3DTV (Live 3DTV) 3DTV (2D to 3D)
Remote Control	RM-KV
Note 1	All the screen shots in this documentation are only example images. The images may vary depending on the product and software version.

Interface Overview

Introduction

Now, with this product, you can watch TV, listen to the radio, record your favorite programs and enjoy other features on your PC. Turn your computer system into a real multimedia entertainment center.

You'll never miss your favorite ball games, soaps or game shows anymore because the TimeShift function performs background recording of a TV program. This means you can return and watch from the part of the program where you left off.

To enjoy high quality TV or radio programs, *AVerMedia*® product is your best choice.

Please be noted that the functions or the remote control mentioned in this manual may vary depending on the product you purchase and the area you live. You can get the most updated AP and driver from AVerMedia website: http://www.avermedia.com/avertv.

Launching the AVerTV 3D Application

To activate the application from Windows Programs menu

- Go to **Start > AVerTV 3D**.

  or

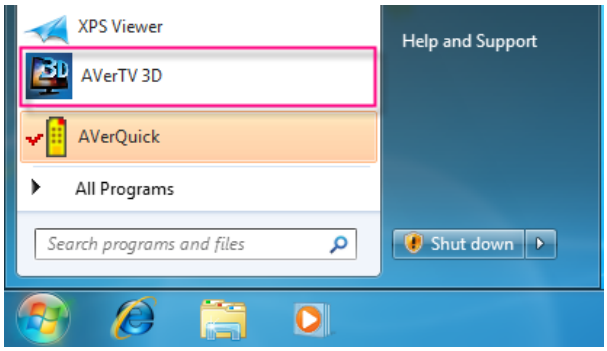
- Double click the **AVerTV 3D** icon on your desktop.

  or

- Go to Start > Programs > **AVerMedia > AVerTV 3D > AVerTV 3D**.

  or

- Double click the **AVerQuick** launcher located at the lower right corner of the screen. Then go to **Setting > Application > AVerTV 3D**.



AVerQuick *allows setting the desired default application, which means you can choose either AVerTV 3D or AVer MediaCenter as the defaultapplication when double clicking* ***AVerQuick*** *icon .*

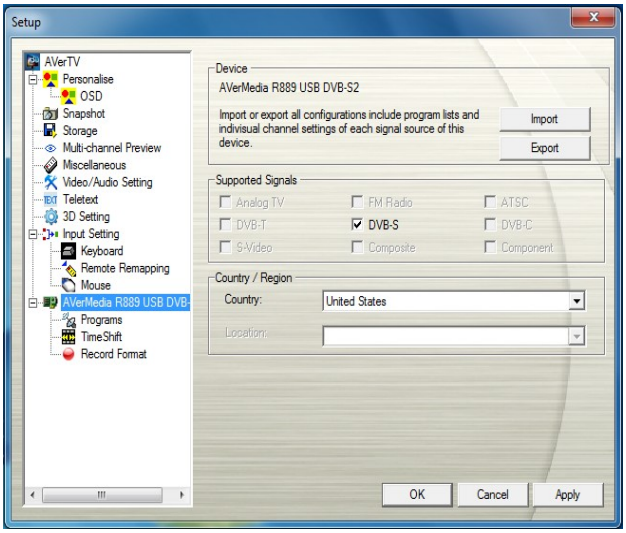
Activating the AVerTV 3D Application for the First Time

If this is your first time running the application, the **Setup** dialog box will appear to prompt you to scan for channels.

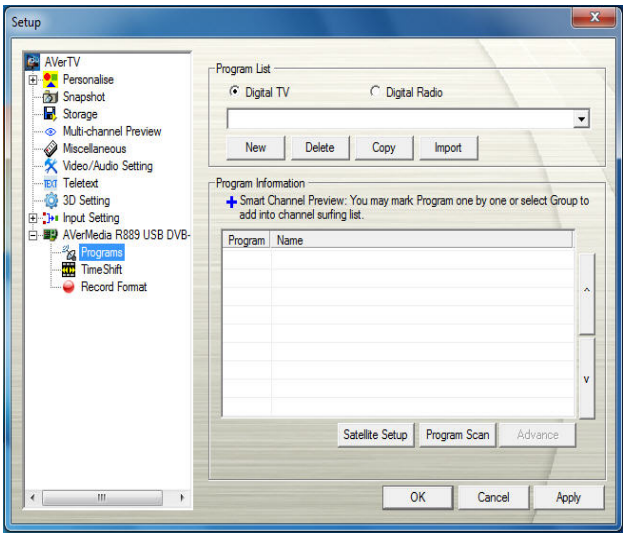
Before scanning Satellite TV channels, make sure you have all reqired devices well set up, including your satellite dish and related mounting kit, LNB, switch or/and motor, coaxial cable, etc.. Moreover, please have the required setting information at hand, including the LNB data (provided with your LNB) and, if needed, the information for the desired satellite and frequency.

To scan channels

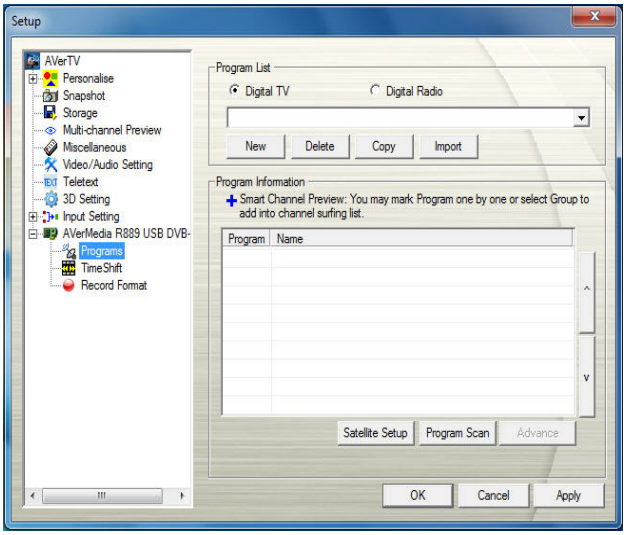
1. Select an available AVerMedia device in the left pane.
2. Select the correct **Country/Region**.



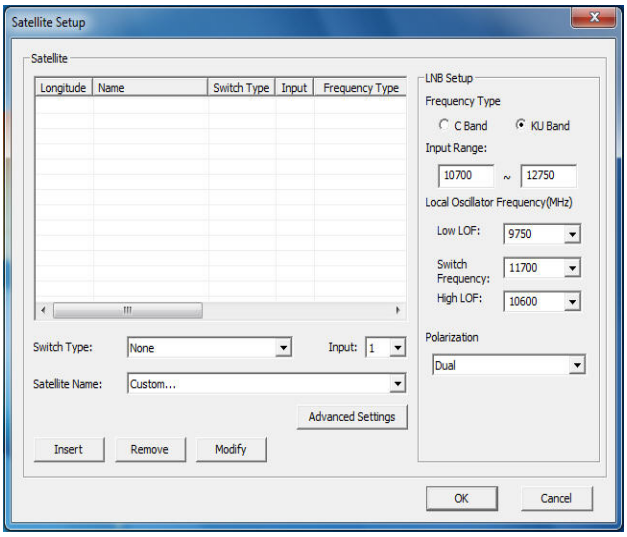
3. Select **Programs** on the left pane.
4. Before choosing the signal input, please make sure that your **Country/Region** is correct.



5. Select **Digital TV** or **Digital Radio** from the **Program List** area.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK**.
7. Click **Satellite Setup** to configure Satellite TV settings.



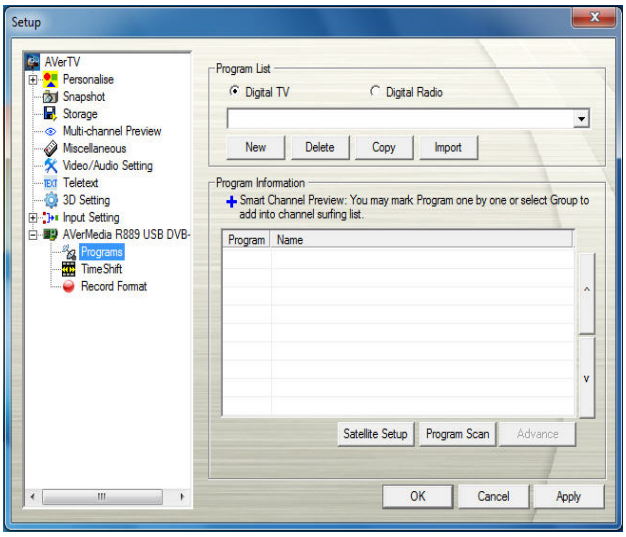
8. Configure the information of **Satellite Name** and **LNB Setup**. If you use a switch, select the **Switch Type** and **Input** port number; otherwise, ignore them. Then click **Insert**.
9. Repeat the previous step if you want to add more other satellites for channel scanning.



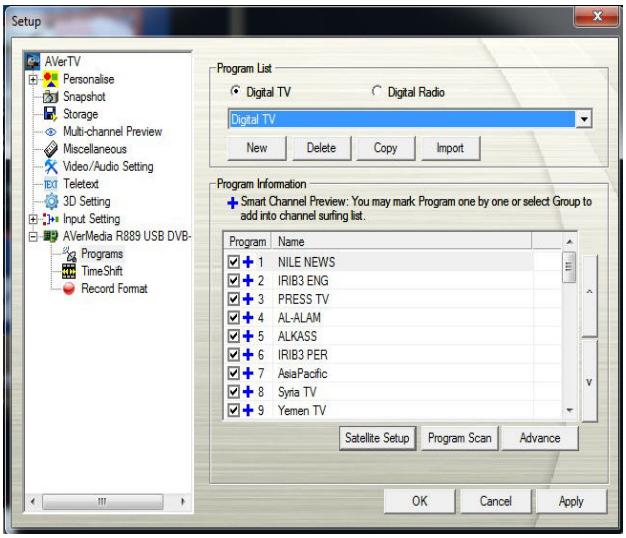
- **Adding a New Satellite**:
  If you do not find the satellite you need from the default **Satellite Name** list, please refer to **Basic Operations > Watching TV > Adding a New Satellite**.
- **Modifying Satellite Data**:
  If you want to modify the satellite or frequency data, please refer to **Basic Operations > Watching TV > Modifying Satellite Data**.
- **Adding a Frequency**:
  AVerTV 3D comes with a default frequency table for those default satellites and will use this table to search for active programs or channels. If you do not find the frequency you need, you can add it yourself. Please refer to **Basic Operations > Watching TV > Adding a Frequency**.
- **Importing Frequency Data**:
- If you have the existing frequency data to be imported, refer to **Basic Operations > Watching TV >Importing Frequency Data**.

10. Click **OK**.

11. Click **Program Scan** to search for available channels/programs in your area.



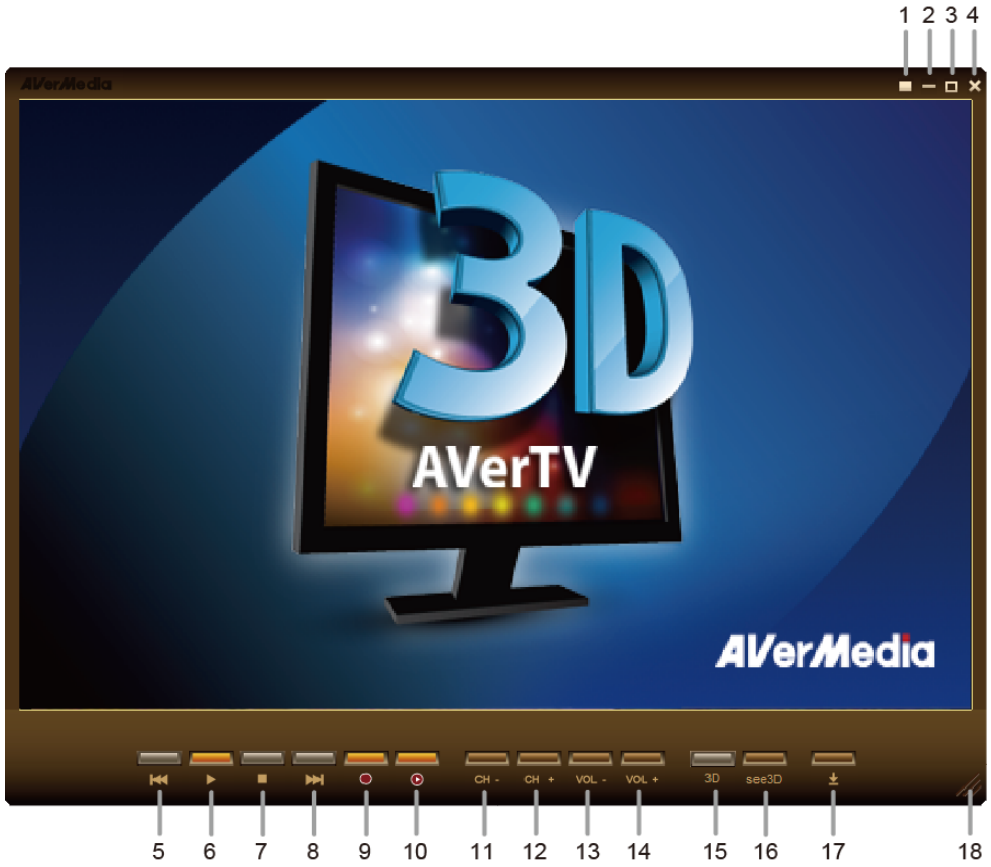
12. After scanning, the active TV channels will be listed inside the box.
13. Digital channels that are in red text indicate they are encrypted channels (e.g. pay TV channels).
14. Click **Apply** to save the scanned channels.
15. Click **OK** to exit the current dialog box.



TV monitor

The TV monitor allows you to watch live TV or video.

The TV monitor in default simple mode only shows a few main buttons. Click and drag the **Resize Window** icon at the lower right corner of the TV monitor to enlarge it and see all buttons.

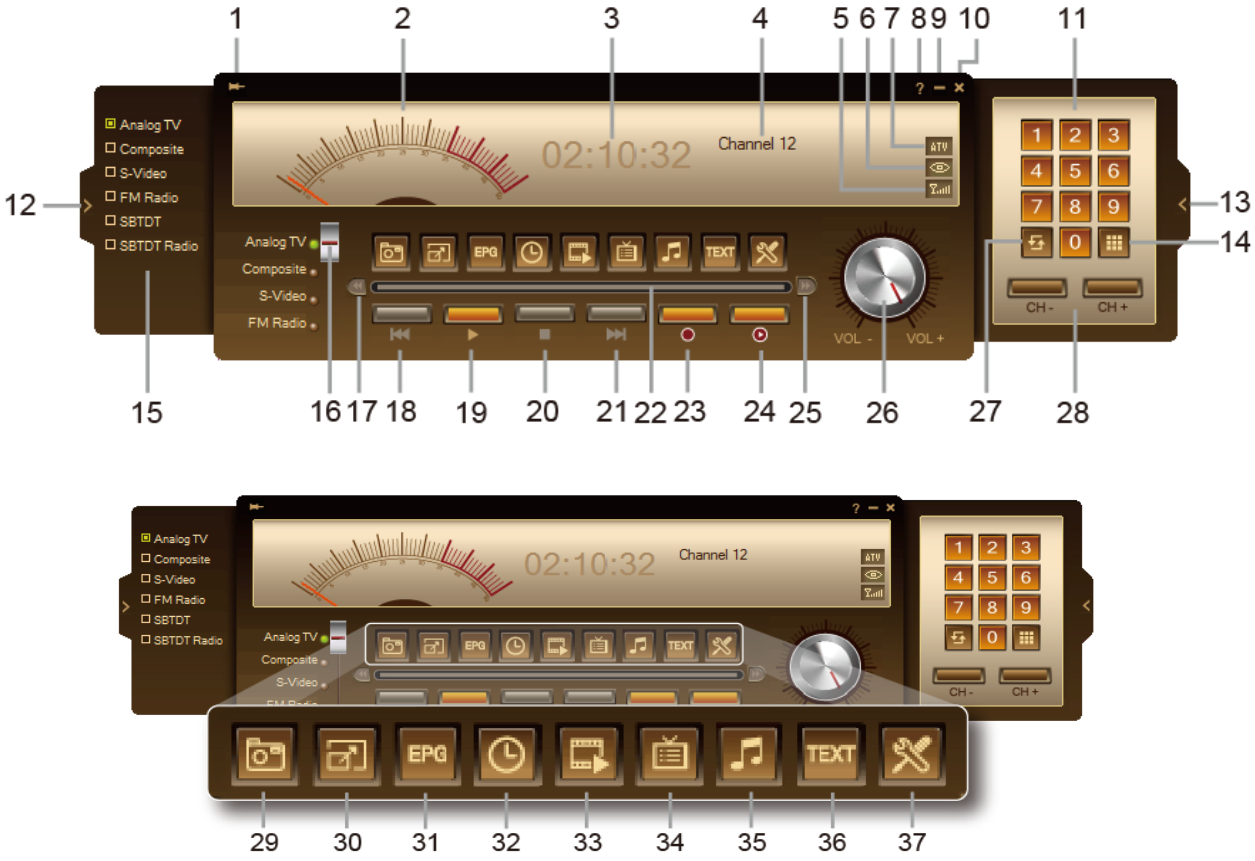


1	Show / Hide Video Frame	10	TimeShift
2	Minimize	11	Channel Down
3	Full Screen	12	Channel Up
4	Exit	13	Volume Down
5	Previous File	14	Volume Up
6	Play / Pause	15	Real 3D
7	Stop	16	see3D
8	Next File	17	Panel On / Off
9	Record	18	Resize Window

The Control Panel provides button controls for selecting channels, adjusting volume, capturing images, and more. It has a panel display that shows the current channel number and channel name.

To display or hide the Control Panel, click the button located at the lower right corner of the TV Monitor.

Control Panel



	BUTTON	FUNCTION
1	Always on Top	Make the TV monitor float over the top of other program windows.
2	Spectrum Display	Display spectrum analysis by dashboard
3	Time Display	Display time
4	Channel Display	Display and switch channels. Right click on the channel display area of the control panel to select channels.
5	Signal Strength	Display signal strength.

6	Mode Display	Display the mode in use. Preview TimeShift Playback Record
7	Signal Status / Repeat Play Status	TV/Radio mode: Right click on the info icon on the control panel to switch signal sources. Playback mode: Right click on the repeat icon on the control panel to enable the repeat function. The system will continuously playback the files in the playlist.
8	Help	View User's Manual.
9	Minimize	Minimize the control panel.
10	Exit	Exit the TV monitor.
11	Numeric Buttons	Select channels/programs.
12	Show/ Hide Source Panel	Toggle between displaying and hiding the source panel.
13	Show/ Hide Numeric Panel	Toggle between displaying and hiding the numeric panel.
14	Multi-Channel Preview	Display 4 ~ 64 consecutive TV channels on the TV Monitor window. (By default, 16 TV channels will be displayed.)
15	Signal Panel	Display all available sources of the device. Click to switch to the selected signal source.
16	Signal Switch	Display the latest used signal sources. Switch to select the signal source.
17	Backward	Move backwards
18	Previous File	Play the previous file in the playlist.
19	Play / Pause	Playback recorded video files. / Freeze the playback.
20	Stop	Stop the playback, recording, TimeShift, etc.
21	Next File	Play the next file in the playlist.
22	Playback Seek Slider	Drag the slider tab to move to any part of the recorded TV program.

23	Record	Record the current TV show.
24	TimeShift / Pause	Performs background recording of the live TV program. This function lets you view the recorded parts, while at the same time, recording is in progress. / Freeze the playback.
25	Forward	Skip forward
26	Volume Control	Increase/decrease the volume level.
27	Channel Loop	Return to previously accessed channel.
28	Channel Up/ Down	Switch to the previous or the next channel.
29	Snapshot	Capture a single image or a sequence of images.
30	Full Screen	Show TV/Video programs in full screen.
31	EPG	View EPG information (digital TV/analog TV with available EPG data).
32	Scheduler	Display Scheduler dialog box.
33	Play List	Create a playlist of video files to playback.
34	Program List	Display the program list.
35	Audio Mode	Switch between available audio modes.
36	Teletext	View Teletext (PAL/SECAM) / Closed Caption (NTSC) information.
37	Setup	Allows you to: *Autoscan channels. *Import analog EPG. *Customize the OSD settings. *Configure the Multi-Channel Preview settings. *Configure the Input Remapping settings. *Configure snapshot settings. *Customize record settings. *Customize the TimeShift function.

Resizing the TV Monitor Window

To enlarge or reduce the size of the TV Monitor window

- Click and drag the lower right corner of the window.

To enter the full screen mode

- Double-click the TV Monitor window to display it in full screen.

  or

- Click the **Full Screen** button on the Control Panel.

To exit full screen mode

- Double-click anywhere on the screen to revert to the default TV Monitor window size.

Always on Top

To make the TV monitor window float over the top of other program windows

- Right-click on the TV monitor, and point to **Video > Always on Top**.

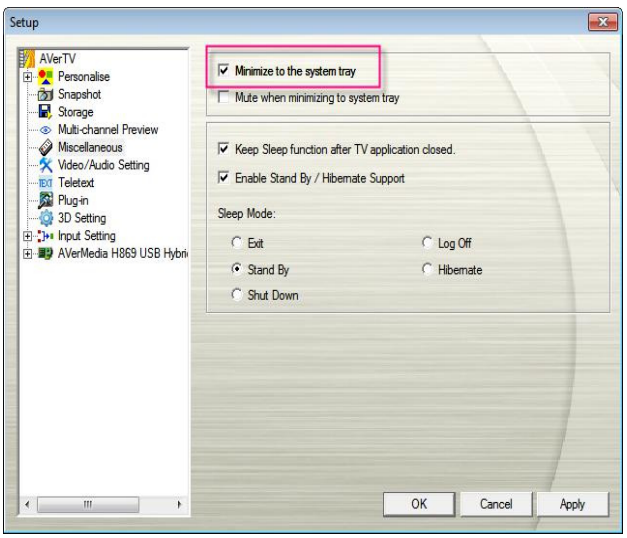
  or

- Click the **Always on Top** button on the Control Panel.

Minimizing the Application

To minimize AVerTV 3D application to the system tray (notification area)

1. Click the **Setup** button and select **Setup > Miscellaneous** icon on the left pane.
2. Then select the **Minimize application to the system tray** check box.
3. Clear the check box to simply minimize the application to a taskbar button.



Basic Operations

Watching TV

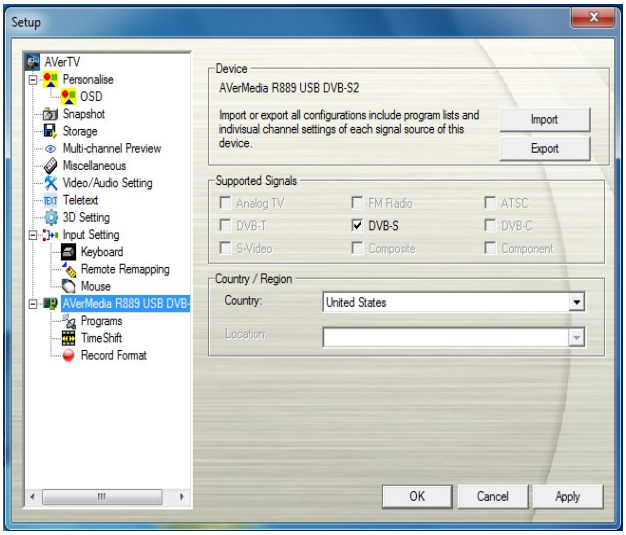
To watch TV, please first make sure you select the correct **Country/Region**, configure all the required setup steps for satellite TV, and scan the channels. What you can watch depends on the product you purchase and the TV signals available from your local television service providers.

Scanning Channels for Satellite TV

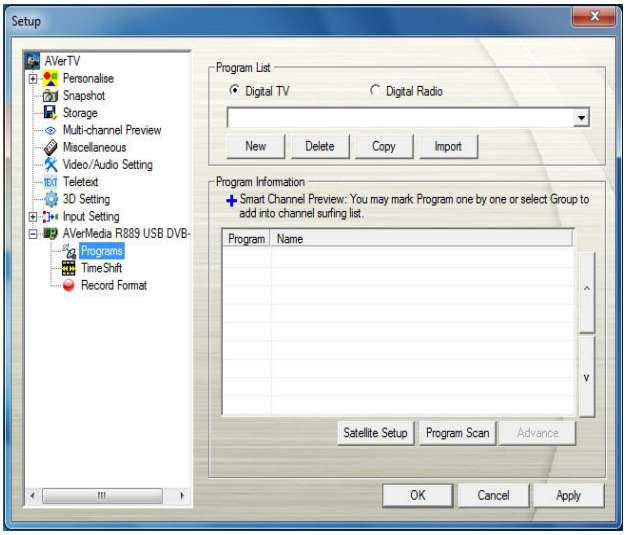
Before scanning Satellite TV channels, make sure you have all reqired devices well set up, including your satellite dish and related mounting kit, LNB, switch or/and motor, coaxial cable, etc.. Moreover, please have the required setting information at hand, including the LNB data (provided with your LNB) and, if needed, the information for the desired satellite and frequency.

To scan channels

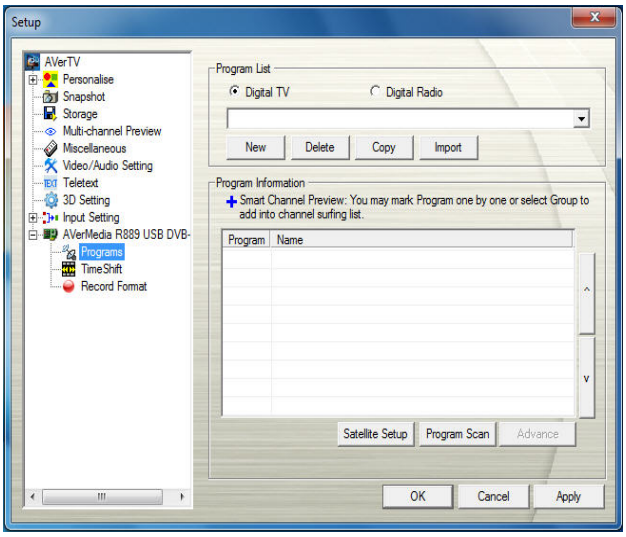
1. Select an available AVerMedia device in the left pane.
2. Select the correct **Country/Region**.



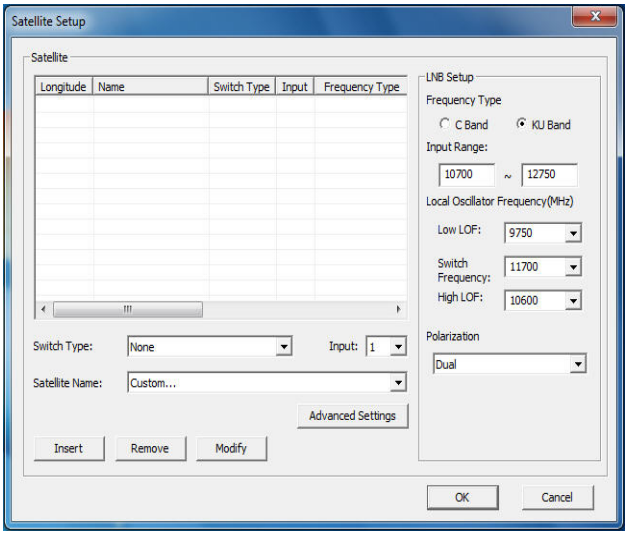
3. Select **Programs** on the left pane.
4. Before choosing the signal input, please make sure that your **Country/Region** is correct.



5. Select **Digital TV** or **Digital Radio** from the **Program List** area.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK**.
7. Click **Satellite Setup** to configure Satellite TV settings.



8. Configure the information of **Satellite Name** and **LNB Setup**. If you use a switch, select the **Switch Type** and **Input** port number; otherwise, ignore them. Then click **Insert**.
9. Repeat the previous step if you want to add more other satellites for channel scanning.



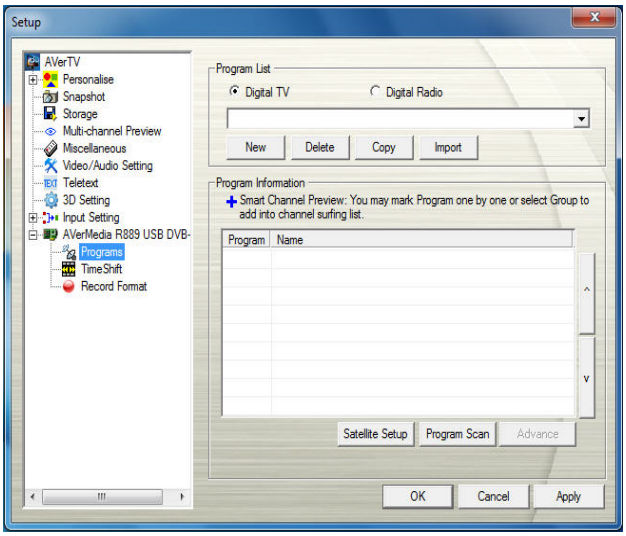
- **Adding a New Satellite**:
  If you do not find the satellite you need from the default **Satellite Name** list, please refer to **Basic Operations > Watching TV > Adding a New Satellite**.
- **Modifying Satellite Data**:
  If you want to modify the satellite or frequency data, please refer to **Basic Operations > Watching TV > Modifying Satellite Data**.
- **Adding a Frequency**:
  AVerTV 3D comes with a default frequency table for those default satellites and will use this table to search

for active programs or channels. If you do not find the frequency you need, you can add it yourself. Please refer to **Basic Operations > Watching TV > Adding a Frequency**.

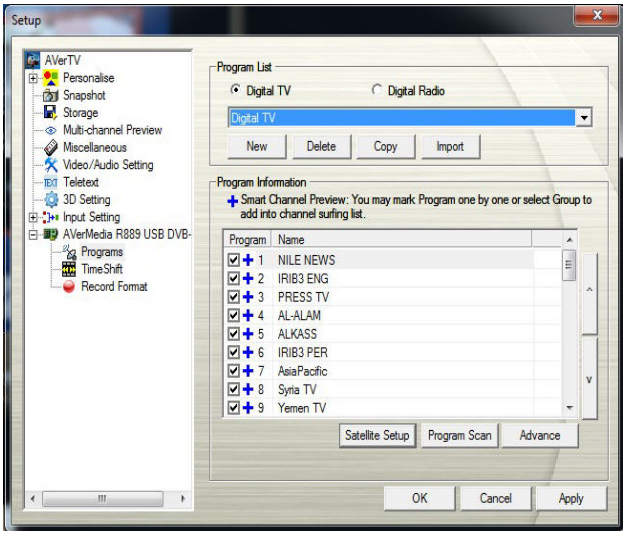
- **Importing Frequency Data**:
- If you have the existing frequency data to be imported, refer to **Basic Operations > Watching TV > Importing Frequency Data**.

10. Click **OK**.

11. Click **Program Scan** to search for available channels/programs in your area.



12. After scanning, the active TV channels will be listed inside the box.
13. Digital channels that are in red text indicate they are encrypted channels (e.g. pay TV channels).
14. Click **Apply** to save the scanned channels.
15. To exit the current dialog box, click **OK**.

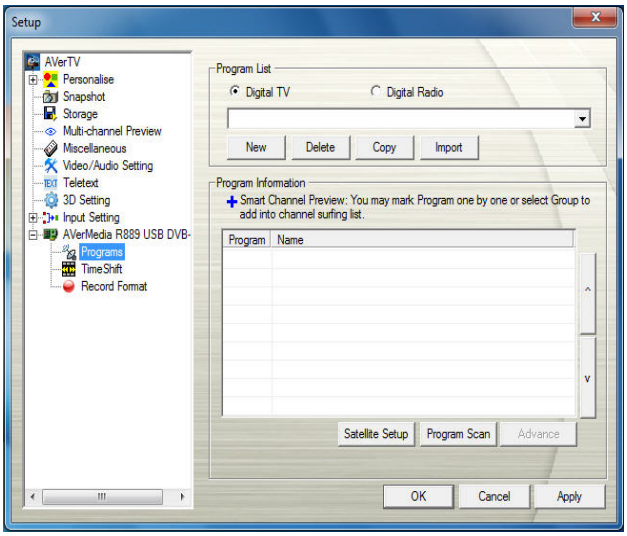


Adding a New Satellite

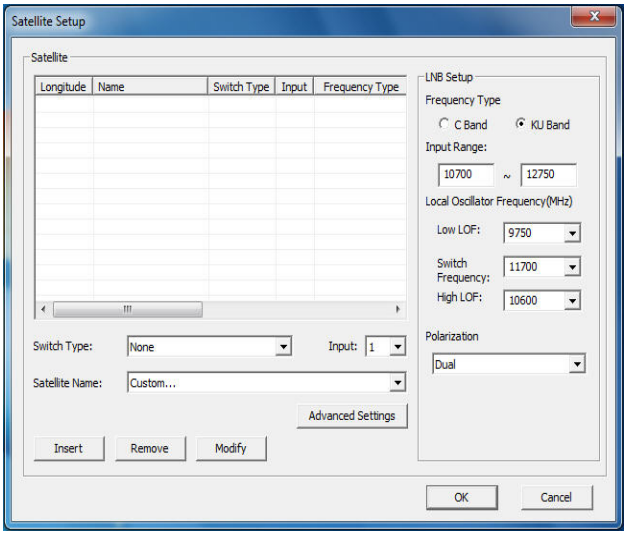
If you do not find the satellite you need from the default **Satellite Name** list, you can add the desired satellite yourself.

To add a new satellite and its frequency for scanning channel

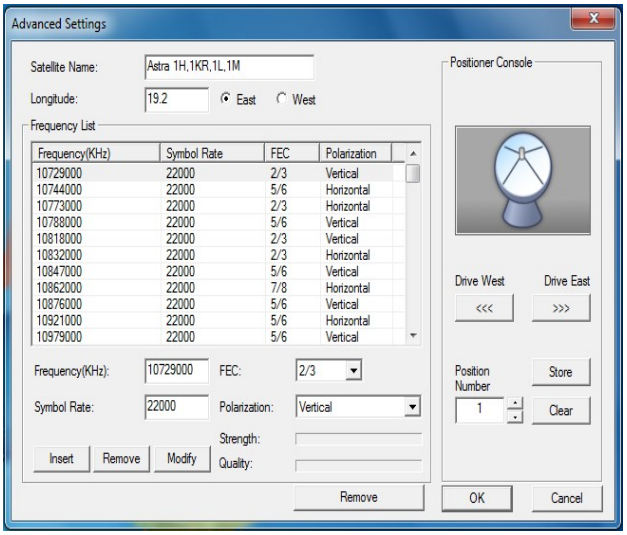
1. Click the **Setup** button on the control panel and select **Setup**.
2. Choose an available AVerMedia device in the left pane (for example, AVerMedia R889).
3. Select the correct **Country/Region**.
4. Select **Program** on the left pane.
5. Select the **Digital TV** option to search only for digital TV channel or select **Digital Radio** to scan for digital radio channels only.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK.**



7. Click **Satellite Setup**.
8. Select the **Switch Type** and **Input** port number if you use a switch; otherwise, skip this step.
9. Select **Custom...** in **Satellite Name** drop-down list.
10. Configure **LNB Setup** data.
11. Click **Advanced Settings**.



12. Configure **Satellite name, Longitude, Frequency, FEC, Symbol Rate**, and **Polarization**.
13. Click **Insert** to add the frequency data to the Frequency list. Click **Remove** to delete or **Modify** to change the selected frequency data.



- If you use a motor, you can adjust the dish position, test the signal strength, and save the position for quick positioning next time. Select any one of the frequencies in the list and click <<< or >>> to adjust the position

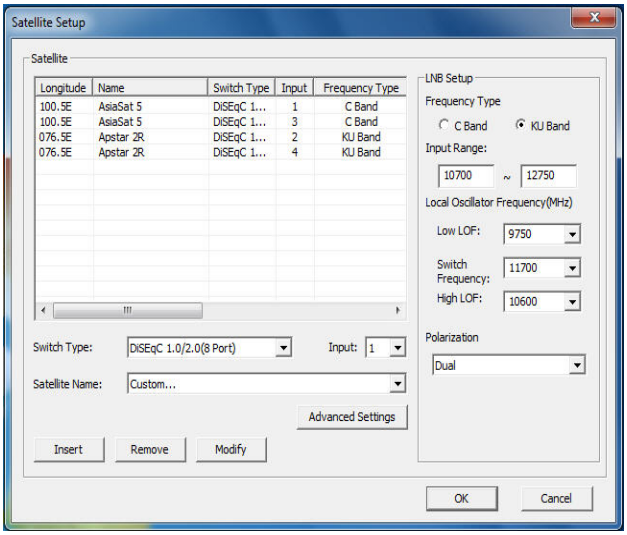
of the dish. Once the strength and quality are detected, assign a **Position Number** and click **Store** to save the dish position for this selected satellite. Click **Clear** to delete the setting of this position. For the same satellite, you only need to save the position once. For another satellite, please assign another unused position number.

14. Repeat the previous steps to add more frequencies you need.

- If you have an existing frequency table to be imported, please refer to **Basic Operations > Watching TV >Importing Frequency Data**.

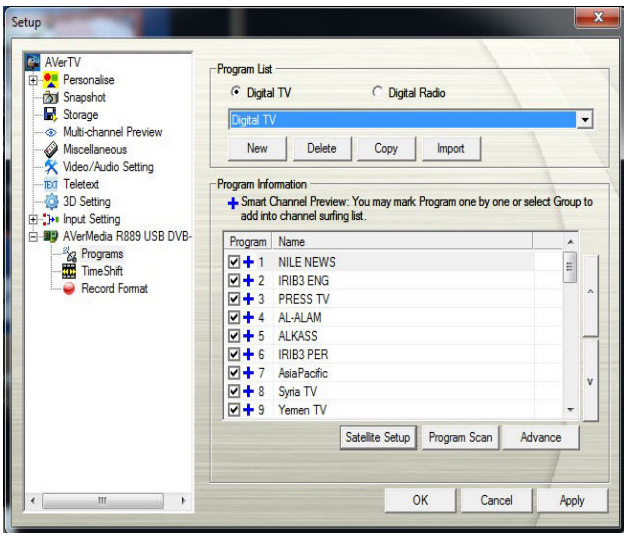
15. Click **OK** to add the new satellite, save the settings and leave Advanced Settings dialog box. Click **Remove** beside OK option to delete this satellite data or click **Cancel** to abort without saving.

16. Click **Insert** to add the satellite data in the list. Click **Remove** to delete or click **Modify** to update the data.
17. Repeat the previous steps to add more satellites you need.
18. Click **OK** to save the settings and leave Satellite Setup dialog box. Click **Cancel** to abort without saving.



19. Click **Program Scan** to start the scanning process. If you want to terminate the searching process, just click **Stop.**

- If you have set up the motor/dish position, when you click **Program Scan**, a message pops up notifying you the motor is adjusting position. Channel scanning only begins as soon as the countdown time is up or you click **Continue**. It is recommended NOT to click **Conitnue** but wait until the countdown time is up in case of channel scanning failure due to invalid



positioning.

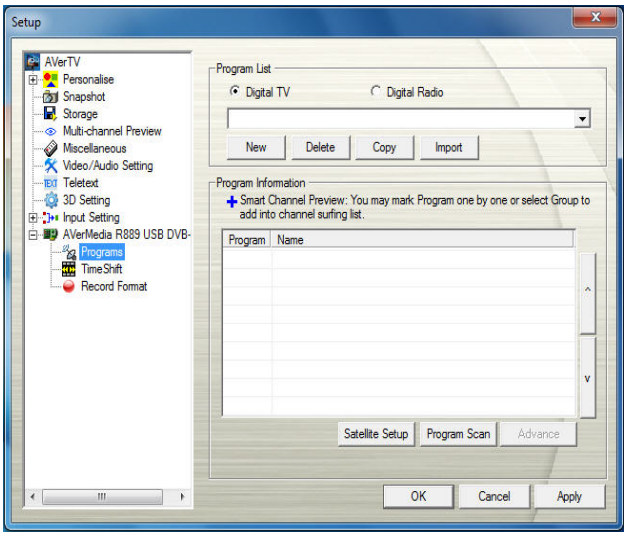
20. You can check the scanning progress from the progress bar. After scanning, the active TV channels will be listed inside the box. Click **Apply** to save the scanned channels.

Digital Channels that are in red text indicate they are encrypted channels (eg. pay TV channels).

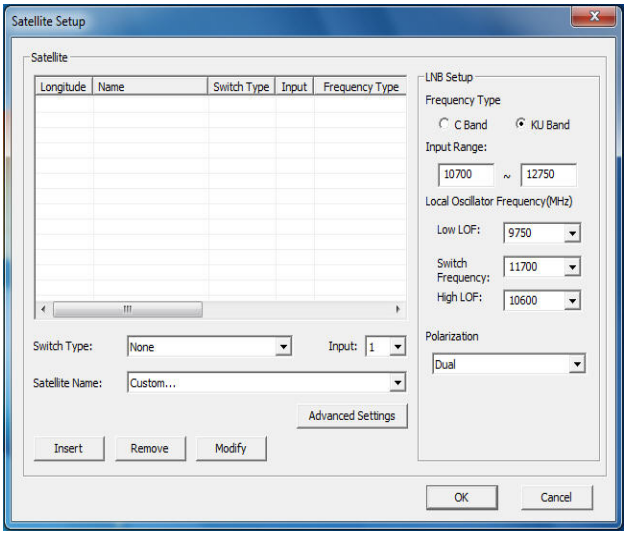
Modifying Satellite Data

AVerTV 3D comes with a default frequency table for those default satellites and will use this table to search for active programs or channels.

If you want to modify these default data, please follow the instructions below:



1. Click the **Setup** button on the control panel and select **Setup**.
2. Choose an available AVerMedia device in the left pane (for example, AVerMedia R889).
3. Select the correct **Country/Region**.
4. Select **Program** on the left pane.
5. Select the **Digital TV** option to search only for digital TV channel or select **Digital Radio** to scan for digital radio channels only.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK.**

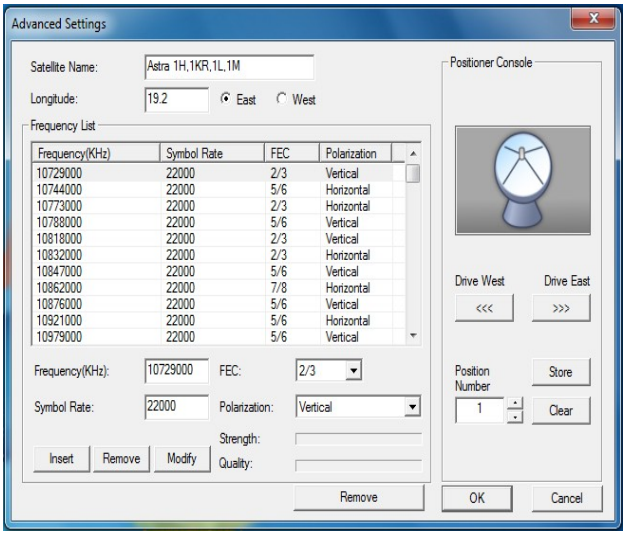


7. Click **Satellite Setup**.
8. Select the **Switch Type** and **Input** port number if you use a switch; otherwise, skip this step.
9. Select the satellite you need from the **Satellite Name** drop-down list.

   - If you do not find the satellite you need from the default **Satellite Name** list, please refer to **Basic Operations > Watching TV > Adding a New Satellite**.

10. Configure **LNB Setup** information.
11. Click **Insert** to add it in the list. Click **Remove** to delete the selected satellite from the list.
12. Repeat the previous steps to add more satellites you need.
13. Click on the satellite you want to modify in the list.

14. Click **Advanced Settings** and you can see the default frequency table for the chosen satellite in **Frequency List** section.
15. Select one of the frequencies in the list to modify the satellite and frequency data.



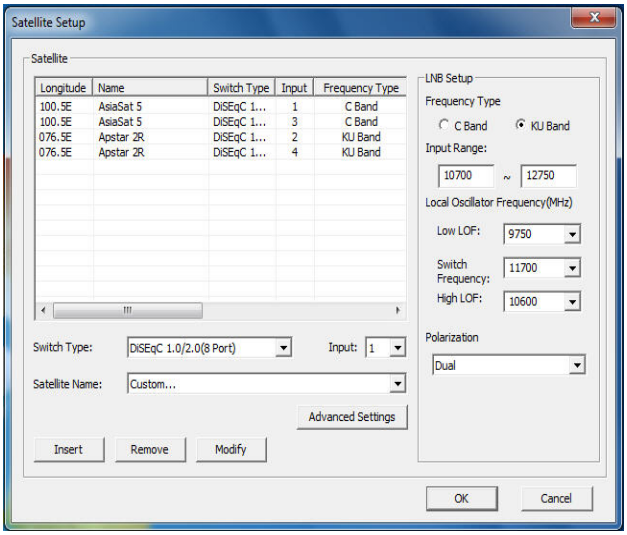
- If you do not find the frequency you need, you can add it yourself. Please refer to **Basic Operations > Watching TV > Adding a Frequency**.
- If you have the existing frequency data to be imported, refer to **Basic Operations > Watching TV > Importing Frequency Data**.

16. Modify the items you want, such as **Frequency, FEC, Symbol Rate, Polarization**, etc.

- If you use a motor, you can adjust the dish position, test the signal strength, and save the position for quick positioning next time. Select any one of the frequencies in the list and click <<< or >>> to adjust the position of the dish. Once the strength and quality are detected, assign a **Position Number**and click **Store** to save the dish position for this selected satellite. Click **Clear** to delete the setting of this position. For the same satellite, you only need to save the position once. For another satellite, please assign another unused position number.

17. Click **Modify** to update the selected frequency data. Click **Insert** to add it as a new frequency to the list.
Click **Remove** to delete the selected frequency data.
18. Click **OK** to save the settings and leave **Advanced Settings** dialog box.
Click **Remove** beside **OK** option to delete this satellite data or click **Cancel** to abort without saving.

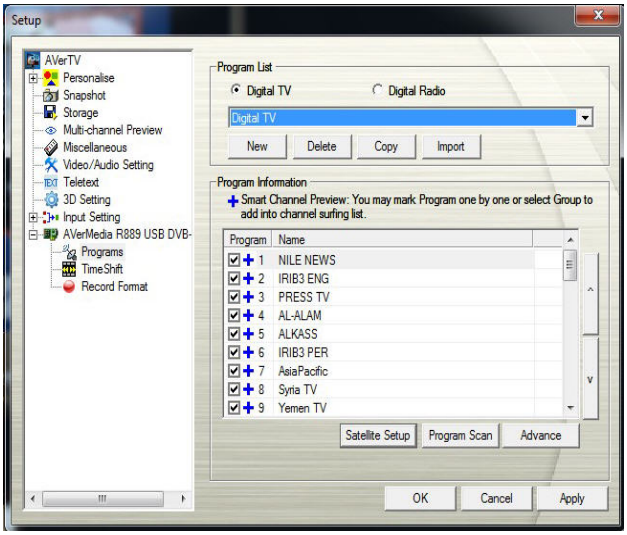
19. Click **Modify** to update the selected satellite data. Click **Remove** to delete the selected satellite data from the list. Click **Modify** to update the selected satellite data.
20. Click **OK** to save the settings and leave the **Satellite Setup** dialog box. Click **Cancel** to abort without saving.



21. Then click **Program Scan** to start the scanning process. If you want to terminate the searching process, just click **Stop.**

- If you have set up the motor/dish position, when you click **Program Scan**, a message pops up notifying you the motor is adjusting position. Channel scanning only begins as soon as the countdown time is up or you click **Continue**. It is recommended NOT to click **Conitnue** but wait until the countdown time is up in case of channel scanning failure due to invalid positioning.

22. You can check the scanning progress from the progress bar. After scanning, the active TV channels will be listed inside the box. Click **Apply** to save the scanned channels.



Digital Channels that are in red text indicate they are encrypted channels (eg. pay TV channels).

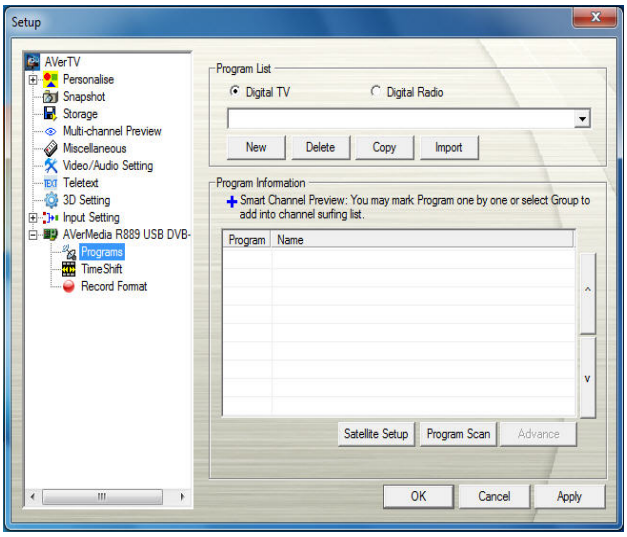
Adding a Frequency

AVerTV 3D comes with a default frequency table for those default satellites and will use this table to search for active programs or channels.

If you do not find the frequency you need, you can add it yourself.

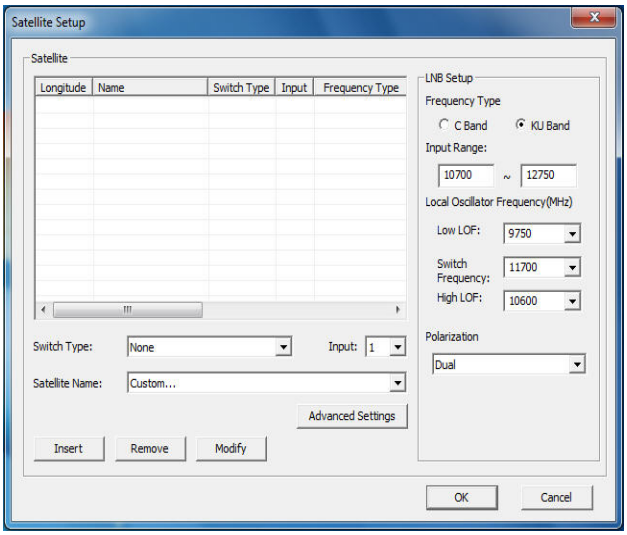
To add a frequency

1. Click the **Setup** button on the control panel and select **Setup**.
2. Choose an available AVerMedia device in the left pane (for example, AVerMedia R889).
3. Select the correct **Country/Region**.
4. Select **Program** on the left pane.
5. Select the **Digital TV** option to search only for digital TV channel or select **Digital Radio** to scan for digital radio channels only.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK.**



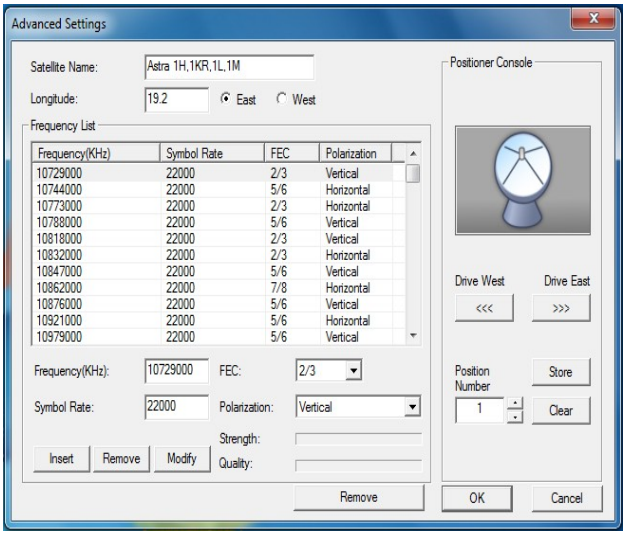
7. Click **Satellite Setup**.
8. Select the **Switch Type** and **Input** port number if you use a switch; otherwise, skip this step.
9. Select the satellite you need from the **Satellite Name** drop-down list.

   - If you do not find the satellite you need from the default **Satellite Name** list, please refer to **Basic Operations > Watching TV > Adding a New Satellite**.



10. Configure **LNB Setup** information.
11. Click **Insert** to add the satellite in the list. Click **Remove** to delete the selected satellite from the list.
12. Repeat the previous steps to add more satellites you need.
13. Click on the satellite you want to modify in the list.

14. Click **Advanced Settings** and you can see the default frequency table for the chosen satellite in **Frequency List** section.
15. If you do not find the frequency you need, just follow the instructions below to add it yourself.



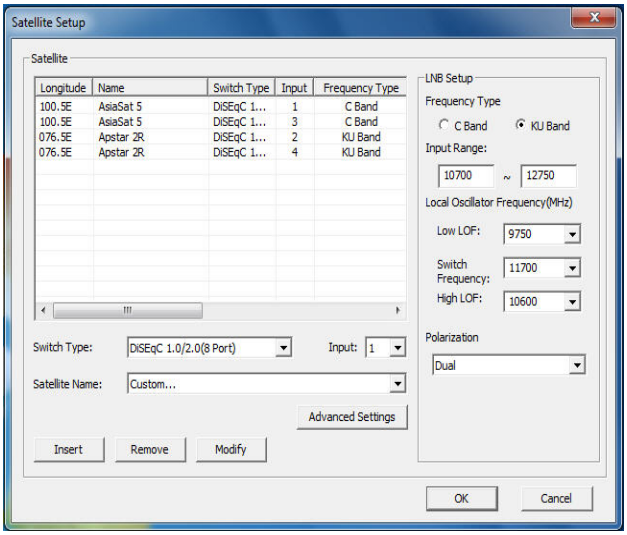
- If you want to modify the satellite or frequency data, please refer to **Basic Operations > Watching TV > Modifying Satellite Data**.

16. Configure **Frequency, FEC, Symbol Rate, Polarization**, etc.
17. Click **Insert** to add the frequency you need to the list. Click **Remove** to delete the selected frequency data.

- If you use a motor, you can adjust the dish position, test the signal strength, and save the position for quick positioning next time. Select any one of the frequencies in the list and click <<< or >>> to adjust the position of the dish. Once the strength and quality are detected, assign a **Position Number**and click **Store** to save the dish position for this selected satellite. Click **Clear** to delete the setting of this position. For the same satellite, you only need to save the position once. For another satellite, please assign another unused position number.

18. Click **OK** to save the settings and leave **Advanced Settings** dialog box. Click **Remove** beside **OK** option to delete this satellite data or click **Cancel** to abort without saving.

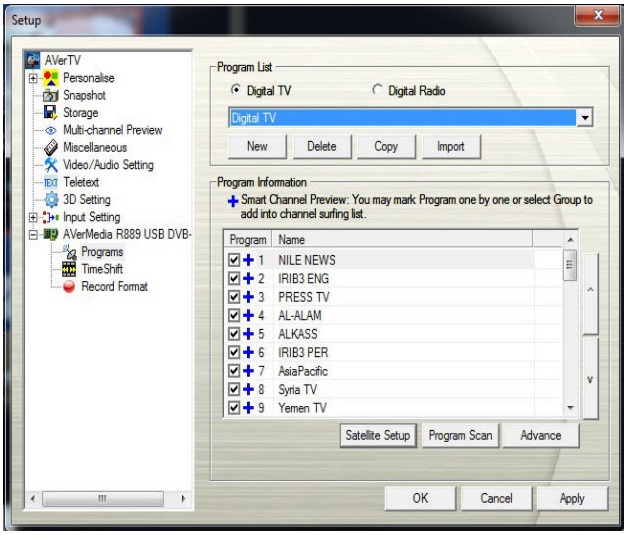
19. Click **Modify** to update the selected satellite data. Click **Remove** to delete the selected satellite data from the list. Click **Modify** to update the selected satellite data.
20. Click **OK** to save the settings and leave **Satellite Setup** dialog box. Click **Cancel** to abort without saving.



21. Click **Program Scan** to start the scanning process. If you want to terminate the searching process, just click **Stop.**

- If you have set up the motor/dish position, when you click **Program Scan**, a message pops up notifying you the motor is adjusting position. Channel scanning only begins as soon as the countdown time is up or you click **Continue**. It is recommended NOT to click **Conitnue** but wait until the countdown time is up in case of channel scanning failure due to invalid positioning.

22. You can check the scanning progress from the progress bar. After scanning, the active TV channels will be listed inside the box. Click **Apply** to save the scanned channels.

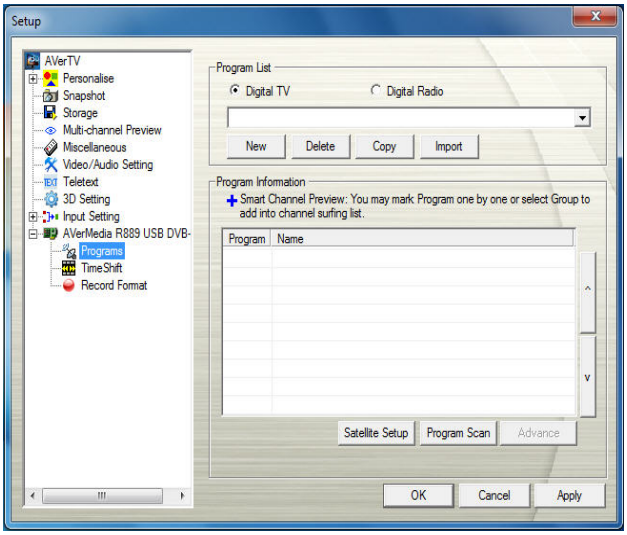


Digital Channels that are in red text indicate they are encrypted channels (eg. pay TV channels).

Importing Frequency Data

If you have an existing frequency data (*ini) to be imported for channel scanning, please follow the instructions below:

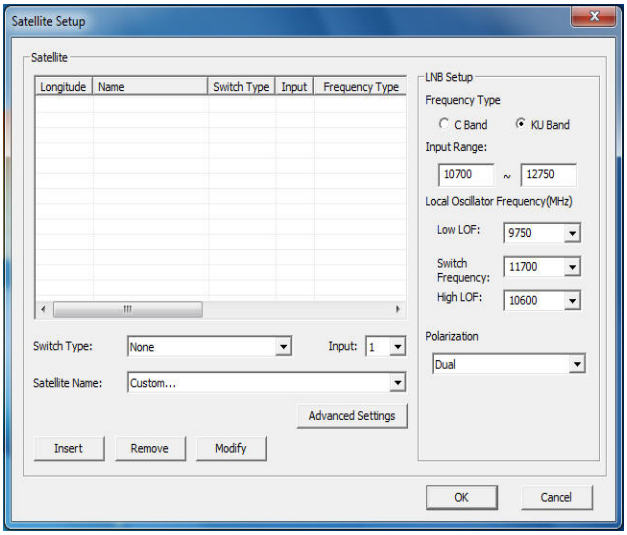
1. Click the **Setup** button on the control panel and select **Setup**.
2. Select an available AVerMedia device in the left pane (for example, AVerMedia R889).
3. Select the correct **Country/Region**.
4. Select **Program** on the left pane.
5. Select the **Digital TV** option to search only for digital TV channel or select **Digital Radio** to scan for digital radio channels only.
6. Click **New** and the **Program List** dialog box appears. Type in the desirable name and click **OK.**
7. Click **Satellite Setup**.



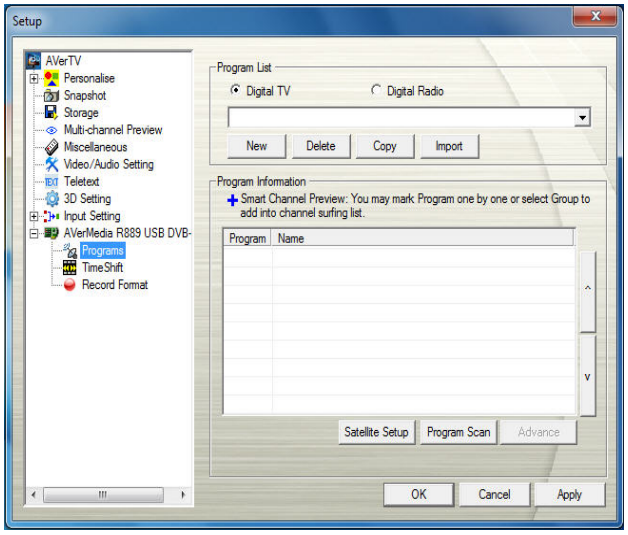
8. Select the **Switch Type** and **Input** port number if you use a switch; otherwise, skip this step.
9. Select the satellite you need from the **Satellite Name** drop-down list.

   - If you do not find the satellite you need from the default **Satellite Name** list, please refer to **Basic Operations > Watching TV > Adding a New Satellite**.

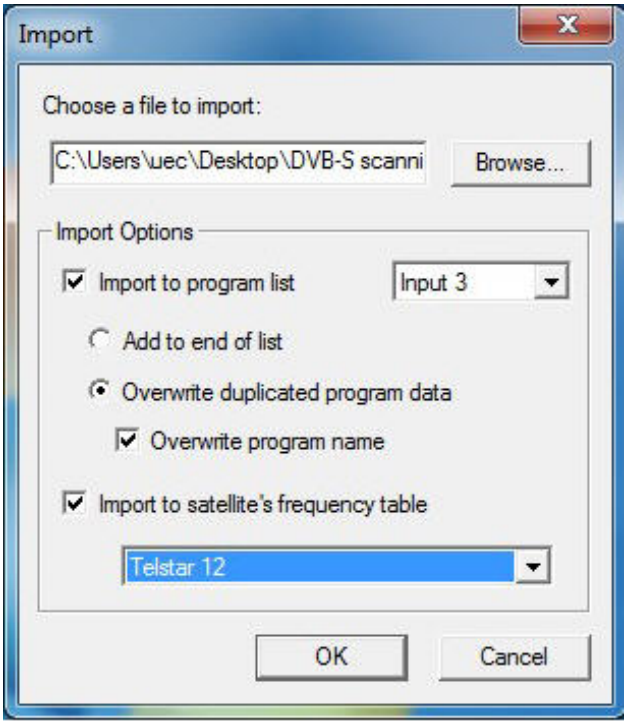
10. Configure **LNB Setup** information.
11. Click **Insert** to add the satellite data in the list. Click **Remove** to delete or click **Modify** to update the data.
12. Repeat the previous steps to add more satellites you need.
13. Click **OK** to save the settings and leave the **Satellite Setup** dialog box. Click **Cancel** to abort without saving.



14. Click **Import** and the **Import** dialog box appears.



15. Click **Browse** and the **Open** dialog box appears.
16. Select the desired channel data and click **Open**.
17. Determine how to import the data file by choosing the desired **Import Options**. The options are explained below:

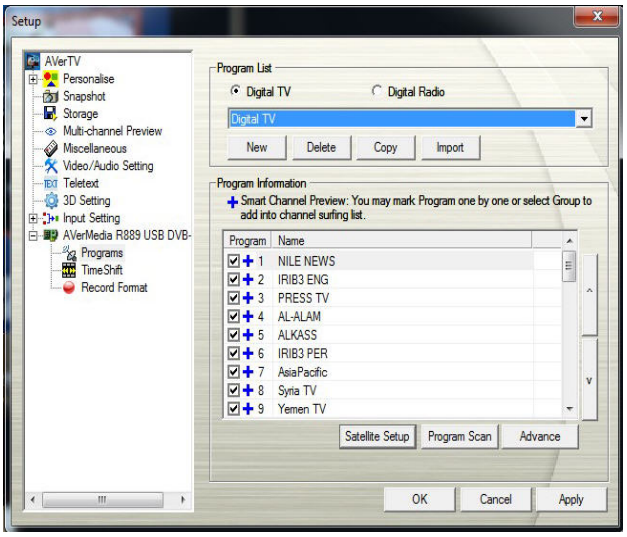


- **Import to program list**: This option adds the program data from the imported file into the selected input port's program list. With this option enabled, you can access the newly added programs without re-scanning the programs.
- **Add to end of list**: The imported program data will be added to the end of the application's program list.
- **Overwrite duplicated program data**: The imported program data overwrites the application's program list if they are the same.
- **Overwrite program name**: For duplicated program data, the program names are replaced by the imported data.
- **Import to satellite's frequency table**: The option adds the frequencies stored in the imported file into the selected satellite's frequency table.

Note: It is highly recommended to choose **Import to satellite's frequency table** and then re-scan the channels to obtain the latest program data. This is because the program data stored in the imported file may not be the most up to date.

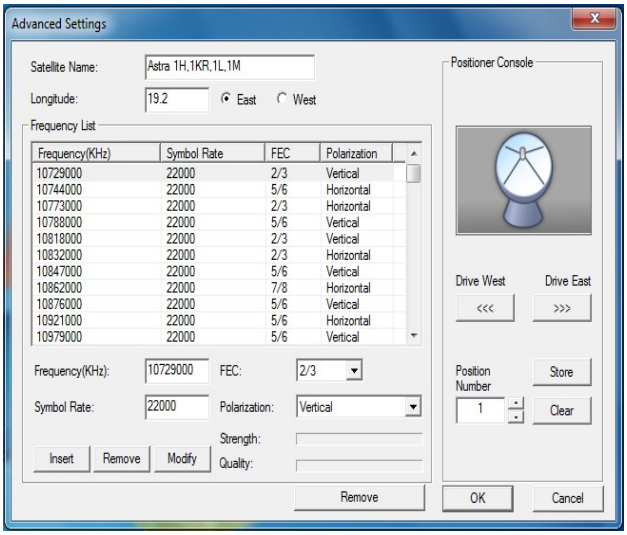
18. Click **OK** to import the file and leave **Import** dialog box. Click **Cancel** to abort without saving.

19. Then you can see the imported program or frequency data based on what you have imported.



- If you want to modify the satellite or frequency data, please refer to **Basic Operations > Watching TV > Modifying Satellite Data**.
- If you do not find the frequency you need, you can add it yourself. Please refer to **Basic Operations > Watching TV > Adding a Frequency**.

20. Click **Program Scan** to start the scanning process. If you want to terminate the searching process, just click **Stop.**
21. You can check the scanning progress from the progress bar. After scanning, the active TV channels will be listed inside the box. Click **Apply** to save the scanned channels.



Digital Channels that are in red text indicate they are encrypted channels (eg. pay TV channels).

Adjusting Volume

- On the Control Panel, click and drag your mouse over the **Volume** knob to increase or decrease the volume level. You can also press the **+** / **–** keys on the numeric keypad to adjust the volume.

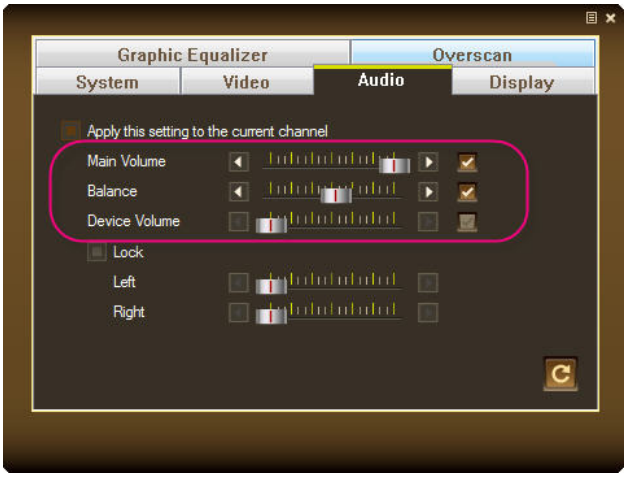
or

1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**.

   or

   Click **Program List** button On the control panel and then click **Individual Channel Setting** button .

2. When a dialog box appears, select **Audio** tab.



3. Use and or drag the slider bar to adjust the system volume, the audio balance or the device volume.

4. By default, the right and left volume levels are the same. If you want to adjust right and left volume individually, clear the **Lock** check box and use and to adjust the volume.

5. If you just want to adjust individual volume level, select **Apply this setting to the current channel** and repeat the previous steps to increase or decrease volume.
6. To apply the converted settings to all channels, click **Apply All** .
7. Click **Default** button if you want to revert the factory settings.

Selecting a TV Channel

There are three ways of switching between TV channels:

1. Click the **Program List** button on the control panel and select **Program List**.

2. Click the **Channel Up/Down** buttons (on the TV monitor window or on the Control Panel) repeatedly until reaching your desired channel.

   or

   Click on the Numeric buttons to get your desired channel number.

   or

   Right-click the Channel Display area on the control panel to select the desired channel.

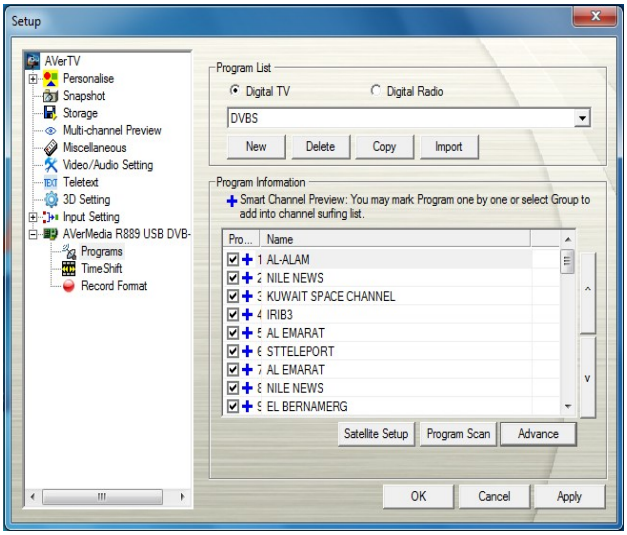
Encrypted channels (e.g. pay TV channels) are in red text.

Removing Unwanted Channels

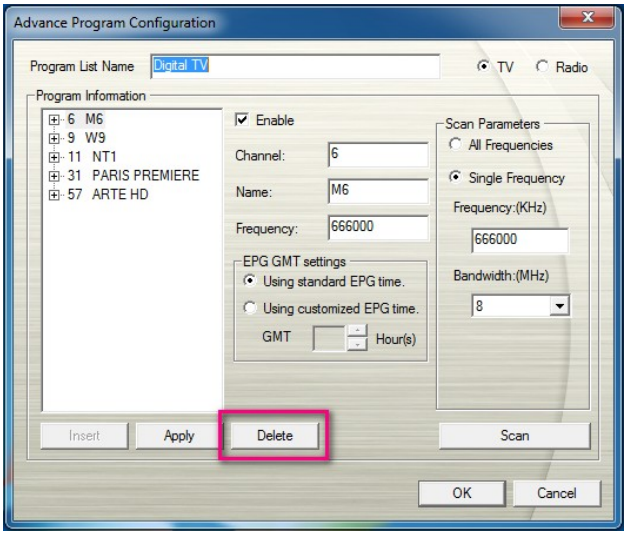
To exclude unwanted channels from your channel list

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.

2. Click **Advance**. Then the **Advance Program Configuration** dialog box will appear.



3. In the **Program Information** section, select the unwanted channel and then click **Delete.** This channel will be removed and that means you won't be able to access these programs anymore.



Adding and Deleting Program Lists

A program list allows you to switch only among the selected channels when pressing the Channel Up/Down button.

To add a new program list

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.

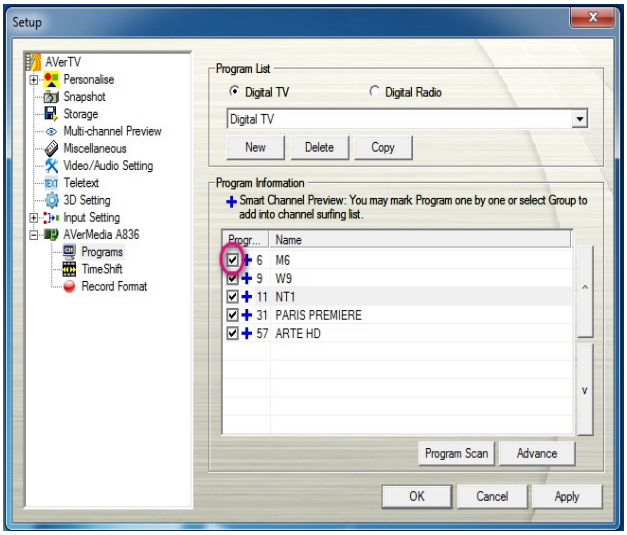
2. Click **New** and the **Program List** dialog box appears.

3. Type in a program list name and click **OK**.

4. Click **Program Scan** and click **Yes** to continue the scanning process.

5. Available channels will then be listed in the **Program Information** and now you can delete the unwanted programs by clearing the check box.

6. Click **Apply** to save the setting and click **OK** to exit the current dialog box. Or you can click **Cancel** to abort without saving.



If you don't want to scan programs every time creating a new program list, you can use **Copy** function.

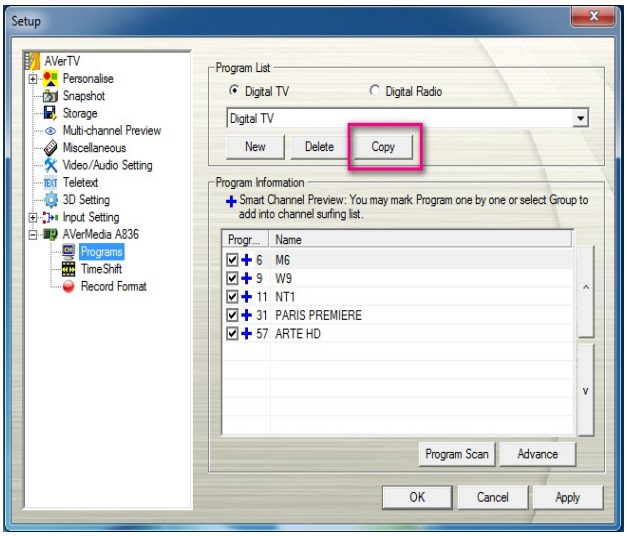
To use Program List Copy function

1. From the program drop-down menu, select the program list that you want to duplicate.

2. Click **Copy** and the Program List dialog box will appear.

3. Type in desired name and click **OK**.

4. Finally, just like the steps described above, clear the check mark next to the unwanted channels.



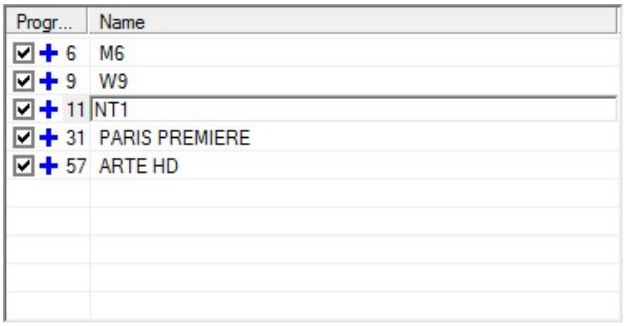
To delete a program list

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.
2. From the program drop-down list, select the name of the group that you want to remove.
3. Click **Delete** to remove the selected program list.

Specifying a Channel Name or Description

To assign a channel name or specify a description

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.

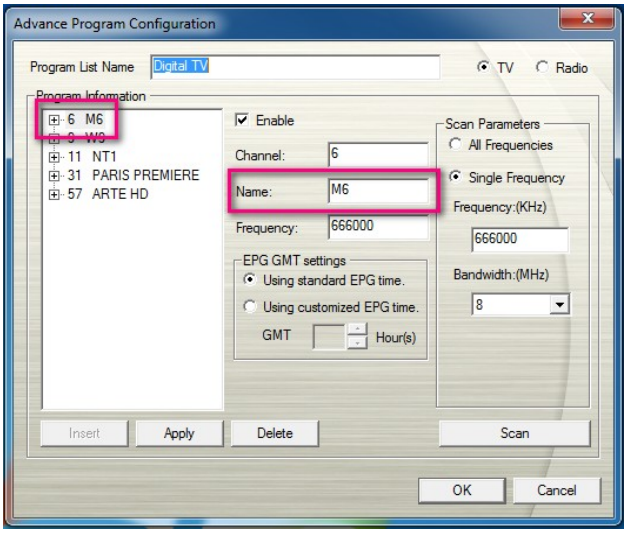


2. Under the **Name** column, double-click the text box of the channel you want to assign a name or description.

3. Type in the channel name or description, and then press **Enter**.

or

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.



2. Click **Advance**.

3. Select the channel/program you want to assign a name or description**.**

4. In the **Name** text box, type in the desired name or description.
5. Press **Apply** to save the settings and click **OK** to exit the dialog box. Or you can press **Cancel** to abort without saving.

Modifying a Program List Name

To rename a program list

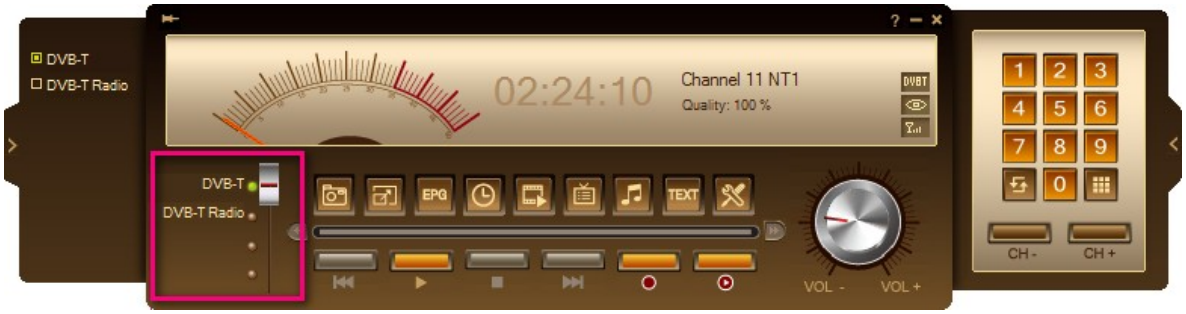
1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.
2. Click **Advance**.

3. Type the desired name in the **Program List Name** text box.

4. Press **Apply** to save the settings and click **OK** to exit the dialog box. Or you can press **Cancel** to abort without saving.

Changing Signal Source

To change signal source



1. Click and drag the **Source Switch** on the control panel.

2. The **Source Switch** lists the latest four signal sources you select. For more available signal sources options, click and open the **Source Panel** and select the desired signal source.

   or

   - Right click on the Signal Status icon on the control panel and a pop-up menu appears. Select the desired signal source.

Note: Signal options may vary depending on the product you purchase.

Enabling Subtitle Function

If your local broadcasters provide subtitle service, you can view those texts.

To enable subtitle

1. Right click the TV screen. In the pop-up menu, point to **Subtitle** and choose the desired language.

2. To hide the subtitle, please right click the TV screen, point to **Cancel Subtitle** and choose **Exit**.

Creating Channel Groups

To add a new channel group

- Click the **Program List** button on the control panel. Select **Program Group**.

  Then click the **Setup** button .

  or

- Click the **Program List** button on the control panel. Select **Program Group Setting**.

1. When a dialog box appears, click **New** button .

2. Specify the desired name in the text box.

3. Select the channel in the left pane, and then click to add your selection to the desired group. Or drag the selected channels and drop them to the desired group.

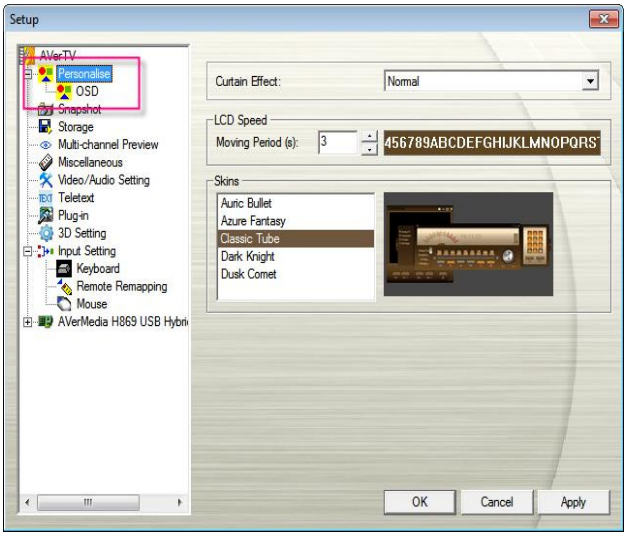
4. Click **Save** to save the settings.

Changing the OSD Attributes

To change the OSD attribute

1. Click the **Setup** button and select **Setup > Personalise**.

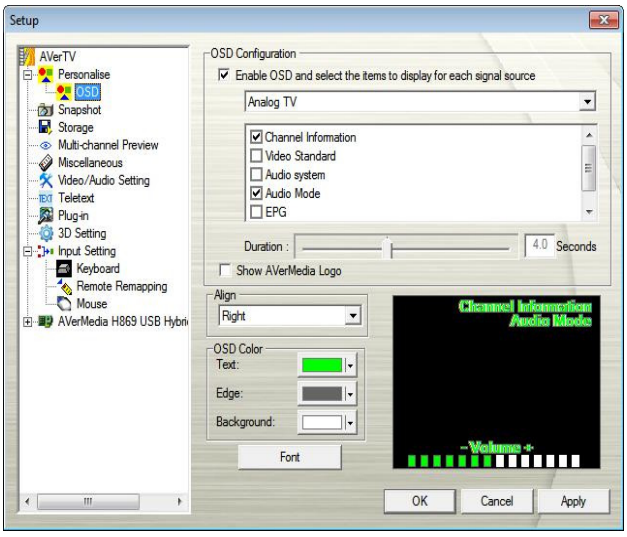
2. On this page, you can customize **Curtain Effect** (Fade In/Fade Out), set the speed of marquee (**LCD Speed**), and change the appearance of the TV monitor and the control panel (**Skins**).



3. Then select **OSD** on the left pane.

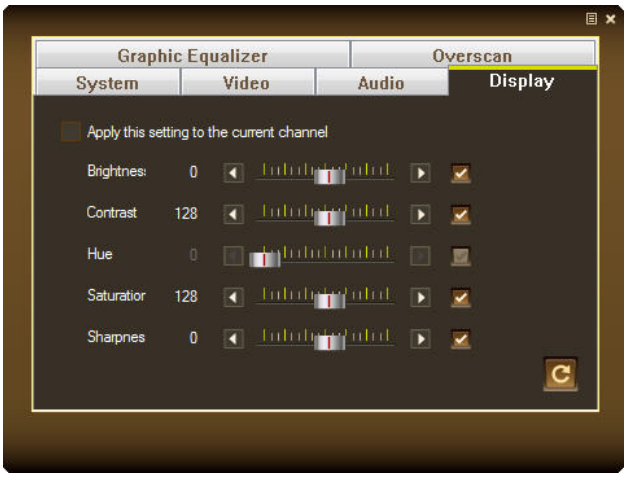
4. On this page, you can choose the TV system from the drop-down menu for different display information on the TV monitor. You can also adjust OSD color (Text, Edge, Background).

5. Click **Apply** to save settings or click **Cancel** to abort without settings.



Fine Tuning Color of the Display

To adjust the color or picture quality of the TV display



1. Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**.

   or

   Click **Program List** button on the control panel and then click **Individual Channel Setting** button .

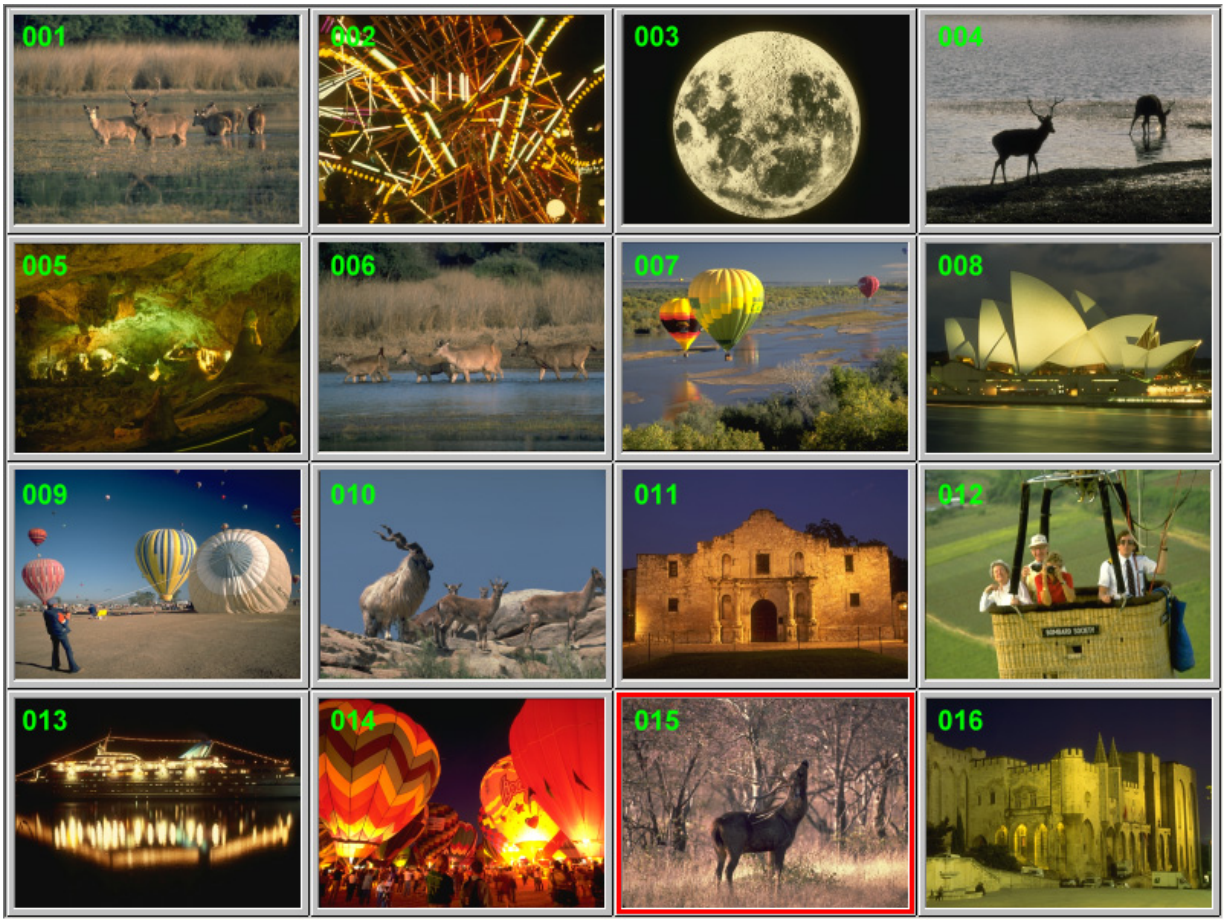
2. When a dialog box appears, select **Display** tab.

3. Then use , or the slider to adjust **Brightness**, **Contrast**, **Hue**, **Saturation** and **Sharpness** until you get an accurate color.

4. If you just want to adjust color of one specific channel, select **Apply this setting to the current channel** and repeat the previous step. To apply the converted settings to all channels, click **Apply All** button .

5. Click Default button if you want to revert to the factory settings.

Multi-Channel Preview



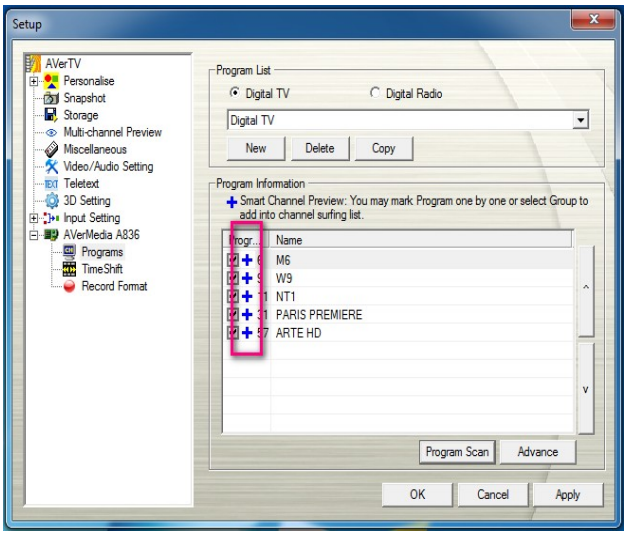
The multi-channel preview function can display 4~64 TV channels on-screen at the same time. (By default, 16 TV channels will be displayed.) You can see clearly which TV programs are currently showing on these channels.

To select the channels for preview

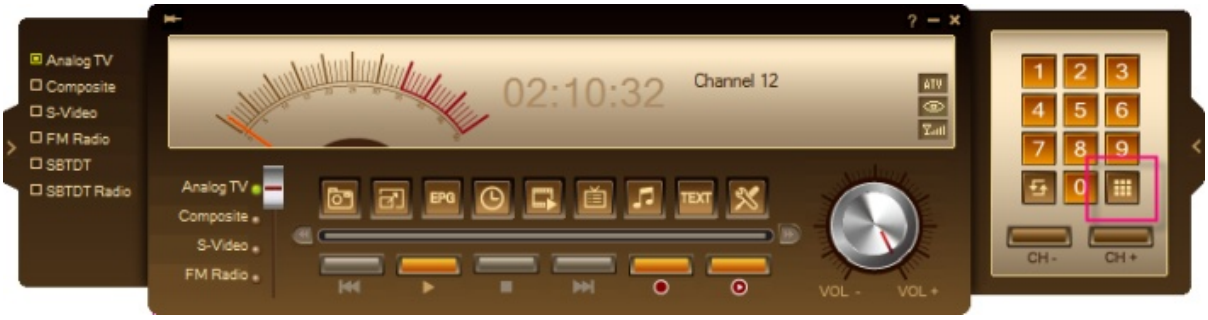
1. Click the **Setup** button and select **Setup**. Then choose an available AVerMedia device on the left pane.

2. Then select your desired signal input.

3. On this page, you can choose the channels for preview by clicking and adding + beside the check box. Clear + if you want to delete the channels from the preview channel list.



To preview the channels:



1. Click the Multi-Channel Preview button.

The screen will be gradually filled up with TV channels, starting from the currently selected channel.

Note: By default, 16 TV channels will be displayed. To modify the preview cell numbers, please refer to the section **To modify the Multi-Channel Preview settings** below.

2. Select a channel and press the numeric button "**5"** on the remote control to view it only and freeze the other channels. If you want to continue to display other channels just press **C** letter on the keyboard.

To leave Multi-Channel Preview mode and display a channel on the TV Monitor window

- Select any one of the channels on-screen and double-click on that channel.

  or

  Use the arrow buttons of your keyboard and then press Enter.
  You will then be tuned in to that channel.

  or

- Click the right mouse button or press ESC to return to the originally selected TV channel.

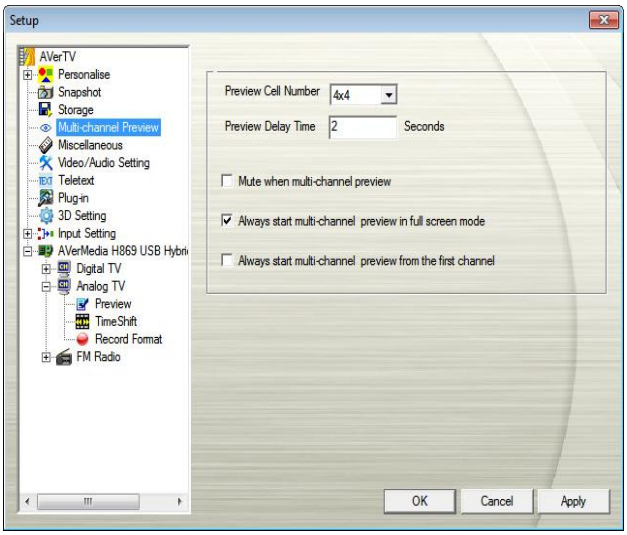
To modify the Multi-Channel Preview settings

1. Click the Setup button and select **Setup > Multi-Channel Preview**.

2. Here you can determine preveiw cell numbers from the drop-down menu (2x2~8x8).

3. You can also specify the preview delay time (1~99 sec) in the text box.

4. Select the check box if you want to mute the audio when previewing channels, always start multi-channle preview in full screen, or always start multi-channel preview from the first channel**.**



EPG (Electronic Program Guide)

Digital EPG

Electronic Program Guide (EPG) is a service that allows you to check the next succeeding program schedule and even the program schedules of the whole week. If the EPG service is provided in your region/country, you can use the EPG function of AVerTV 3D.

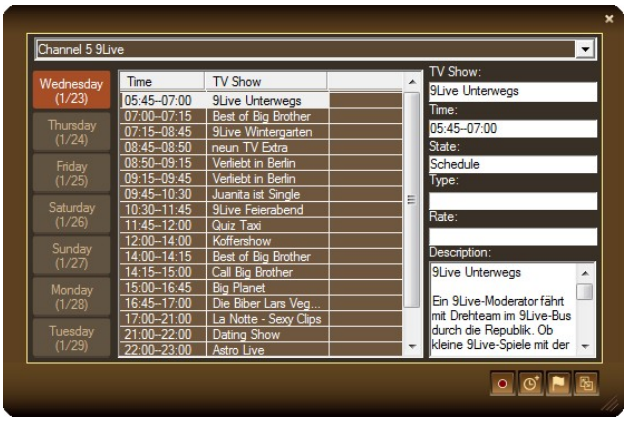
To open the EPG window

1. Click the EPG button on the control panel.

   or

   Right click on the TV monitor and select **EPG**.

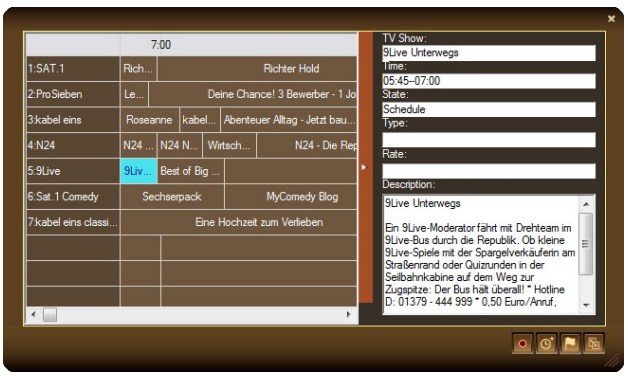
2. In the EPG window, select the desired program from the Program drop-down menu and the EPG window will display the schedule for one week. You can also see the related information such as program name, time, and description about the program on the right pane of the window.
3. In addition, when switching channels, the TV screen can show the current and succeeding program information.



Our **EPG** window also allows you to preset a schedule for watching or recording programs.

To preset a schedule from EPG

1. Open EPG window.



2. Select your favorite programs
3. Then click **Record** or **Activate TV Application** to activate AVerTV 3D. And the system will execute your command on schedule.

4. If the EPG data contains multiple languages, you can click to switch

EPG language. For non-multi-language EPG data, this function will be disabled.

5. Click **Display Mode** to sort the EPG list by time or by channel.

To use EPG function, please make sure that the EPG GMT settings is correct.

1. Click on the control panel and select **Setup**.

2. Click **Digital TV** on the left pane.

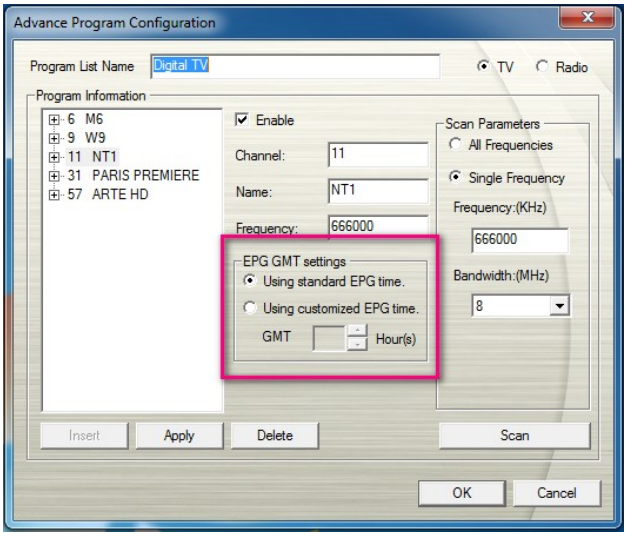
3. Click **Advance**.

4. In the **Advance Program Configuration** window, click the desired channel.

5. In the **EPG GMT settings** section, select **Using customized EPG time** to adjust the EPG time according to local time.

   or

   Select **Using standard EPG time** to adjust the EPG time according to the time zone on your computer operating system.

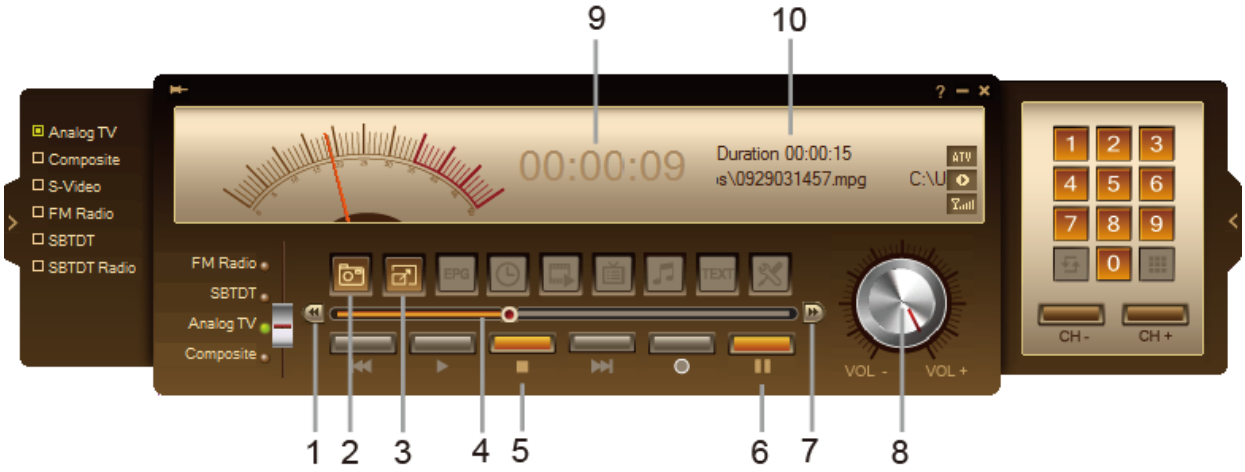


TimeShift

The TimeShift function performs background recording of a TV/Radio program, and lets you return and watch any part of the recorded program. At the same time, the live TV/Radio program continues to be recorded and played back so you won't miss any part of the show. You can also advance forward to skip commercials or rewind to replay scenes one more time.

TimeShift Controls

Use the following button controls in the Control Panel to start recording a live program, play back the program from where you left off, advance forward, rewind, and more.

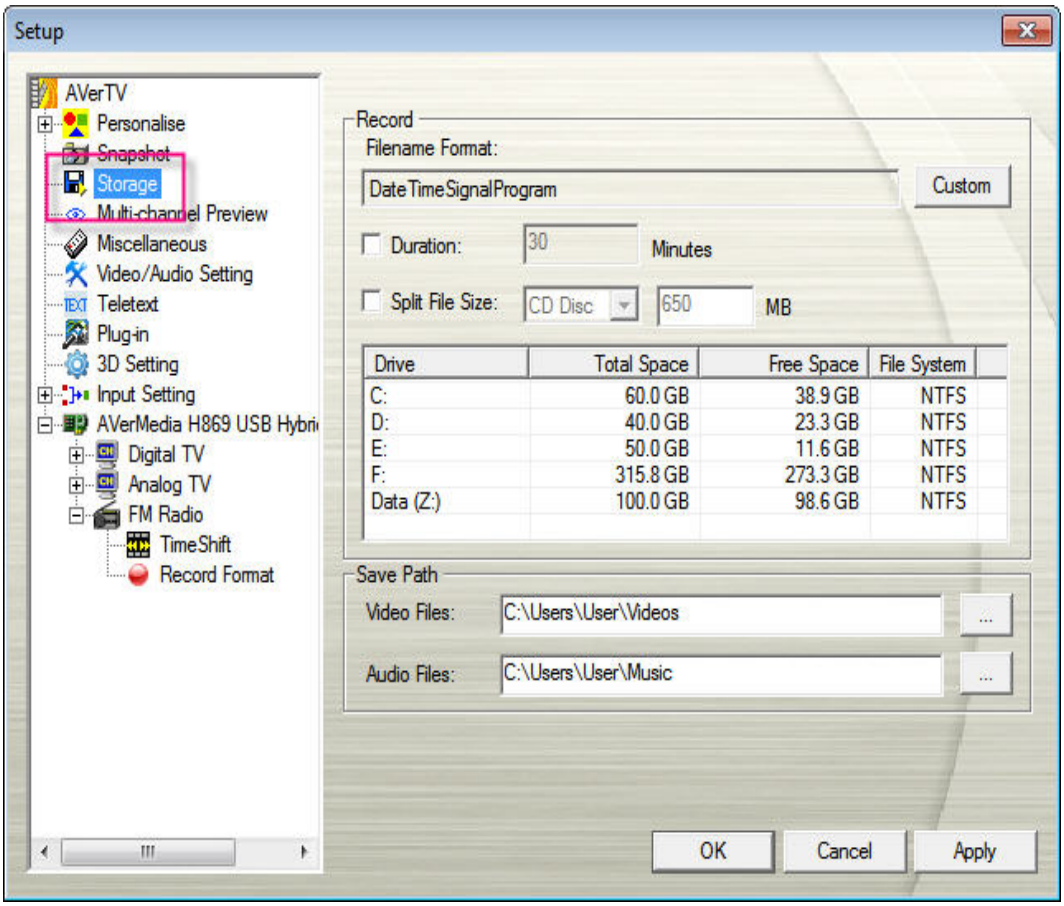


	BUTTON	FUNCTION
1	Backward	Click to move backward in intervals
2	Snapshot	Capture a single image or a sequence of images.
3	Full Screen	Show TV/Video programs in full screen.
4	Playback Seek	Drag the slider tab to move to any part of the recorded program.
5	Stop	Click to terminate recording and return to the live program
6	TimeShift / Pause	Click to perform background recording of the live program and play it back simultaneously. / Click to temporarily freeze the playback.
7	Forward	Click to skip forward in intervals
8	Volume	Drag your mouse right/left to increase/decrease the volume level.
9	Backward Duration	Show backward duration during Timeshift
10	Timeshift Info	Show available Timeshift duration and file info

Customizing TimeShift Settings

Before you start using the TimeShift function, first check if its recording settings meet your needs.

To check and customize settings:



1. Click the Setup button and select **Setup > Storage**.
2. By default, TimeShift performs recording of the TV program by creating a temporary video file and deletes this file once you click the Stop button.
3. In the **Record** section, you can determine your file name format, recording time, file size and destination folder.
4. Click **Apply** to save the new settings and click **OK** to exit the current dialog box. Or, click Cancel to use the original settings.

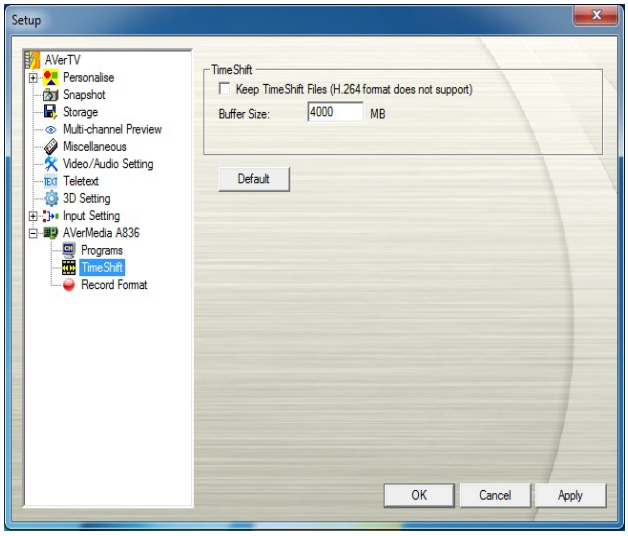
Using the TimeShift Function

To pause the live program

1. Click the TimeShift button on the Control Panel. The application will begin to record the program.
2. When you want to rewind, use the Playback Seek slider bar to move back to the part you want to watch or listen again. Click and drag your mouse over the slider tab to the left until you see the part of the show you wish to watch or listen, and then release the mouse button.
3. You can also click the Backward button to move backward in fixed intervals until you reach the part where you left off.
4. To advance forward and skip some parts of the recording (for example TV commercials), drag the slider tab to the right. You can also click the Forward button to move forward in fixed intervals.
5. To temporarily pause the playback, click the Pause button . Click **Pause** button again to resume.
6. To return to real-time viewing of the live program, click the Stop button . This switches off the TimeShift function and returns you to live program.

To customize the file quality

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.
2. Select **Timeshift**.
3. If you want to save the video file, select the Keep TimeShift Files check box.
4. Here you can determine the buffer size.
5. Please be noted the items may vary depending on the device you use.
6. Click **Default** if you want to revert to the factory settings.

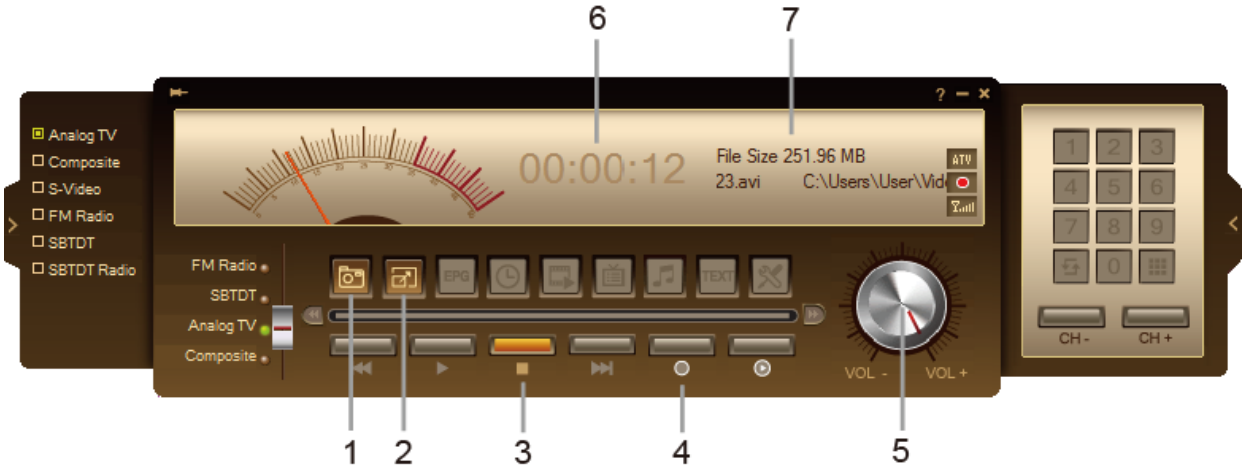


Recording and Playback

You can use your computer as a digital video recorder, and record your favorite TV programs or capture video from an external source to your hard drive. You can also divide the recording files in proper sizes to facilitate burning onto removable optical media, such as CD-R and DVD discs.

Recording Controls

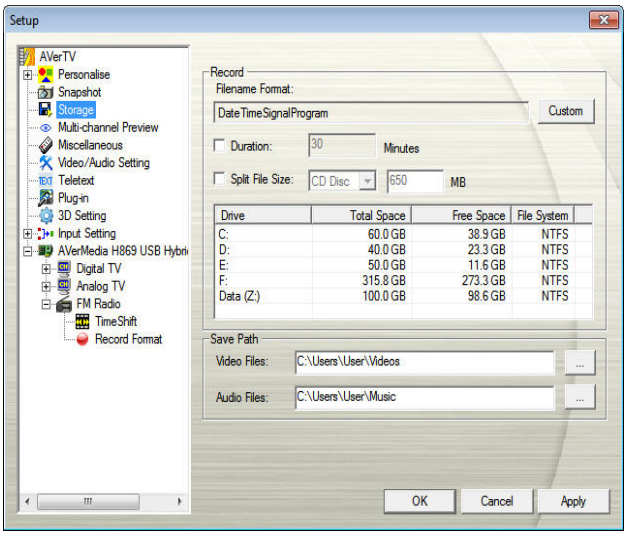
Use the following button controls for recording and video playback.



	BUTTON	FUNCTION
1	Snapshot	Capture a single image or a sequence of images.
2	Full Screen	Show TV/Video programs in full screen.
3	Stop	Click to stop recording or playback.
4	Record	Record the current program.
5	Volume	Drag your mouse up/down to increase/decrease the volume level.
6	Recording Duration	Show recording duration time.
7	Recordings Info	Show recorded file information.

Recording Settings

Before recording, check if the settings meet your needs.



1. Click the Setup button and select **Setup >** Storage.
2. By default, the system sets the recording **Date** and **Time** as the file name format. To create your own file name format, please click **Custom**.
3. The **Duration** option allows you to specify a recording duration; otherwise, the system will record the largest clip that your hard drive can accommodate.
4. You to divide the recording files into smaller parts for burning onto removable optical media, such as CD-R (650 MB) and DVD (4096 MB) discs. Enable the **Split FileSize** option and select the appropriate video file size from the drop-down menu so that each video file will not exceed the limit. Or you can choose **Custom** to assign the file size you want.
5. Determine the destination folder. Click to choose a folder you want.
6. Click **Apply** to save the settings and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.

- To determine the file format, please refer to the section titled **Customizing Video Recording Settings** or **Customizing Audio Recording Settings.**

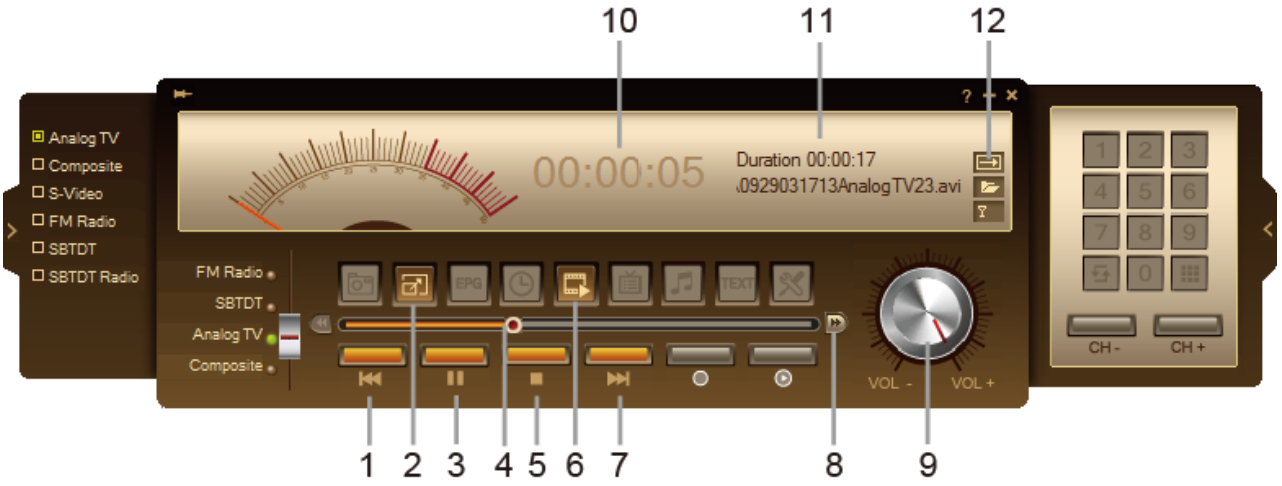
Using the Recording Function

To record a program

1. Click the **Record** button or ontrol Panel.
2. You can click the **Stop** button to terminate the recording and return to live TV program.

Playing a Recorded Program

Each TV program that you recorded will be saved as a video file in the assigned destination folder.



	BUTTON	FUNCTION
1	Play Previous File	Click to go to the previous video file in the playlist.
2	Full Screen	Show TV/Video programs in full screen.
3	Play /Pause	Click to play back / Click to temporarily freeze the playback.
4	Playback Seek	Drag the slider tab to move to any part of the recorded file.
5	Stop	Click to stop recording or playback.
6	Play List	Click to create a playlist of video files to play back.
7	Play Next File	Click to go to the next video file in the playlist.
8	Forward	Click to switch to the next playback speed level.
9	Volume	Drag your mouse up/down to increase/decrease the volume level.
10	Backward Duration	Show backward duration time during playback.
11	Playback Info	Show playback file information.
12	Repeat Play Status	Right click on the repeat icon on the control panel to enable the repeat function. The system will continuously playback the files in the playlist.

To play back the recorded video files

- Click the Play button or drag the recorded video file to the TV Monitor or Control Panel to play back.

  or

- Drag the recorded video file to AVerTV desktop icon to run the application and play back.

or

1. Click the Play List button , and you may see some recorded video files are listed at the top right pane of the **Playback List** window.
2. To add more video files to the playback list, first navigate the **file** on the left pane to find the folder that contains the desired video files. When you have located the folder, the media files will then be displayed on the right top pane. Select the files that you want, and then click Insert, or click Insert All to add all media files in the folder to the playback list.
3. To delete files from the **Playback List**, select them from the list in the bottom right pane and click **Delete**, or click **Delete all** to delete all files in the playback list.

To REPEAT playback of the recorded video files

- Right click the TV monitor, select **Playback**, and choose **Repeat Once** or **Repeat All** to enable the function. To disable the repeat function, just select **Repeat Off**.

or

- Right click the **Repeat Icon** on the Control Panel. In the pop-up menu, point to **Repeat Once**, **Repeat All**, or **Repeat Off**.

or

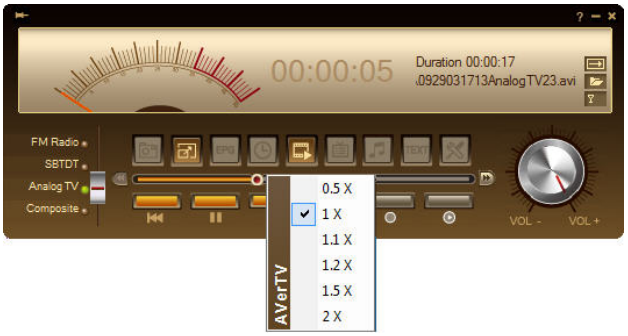
- Click on the **Repeat Icon** on the Control Panel to switch between **Repeat Once**, **Repeat All**, or **Repeat Off**.

You can change the fast-forward playback speed when playing back the recorded video files:

- Right click on the playback slider, and select the speed you want in the forward speed list.

  or

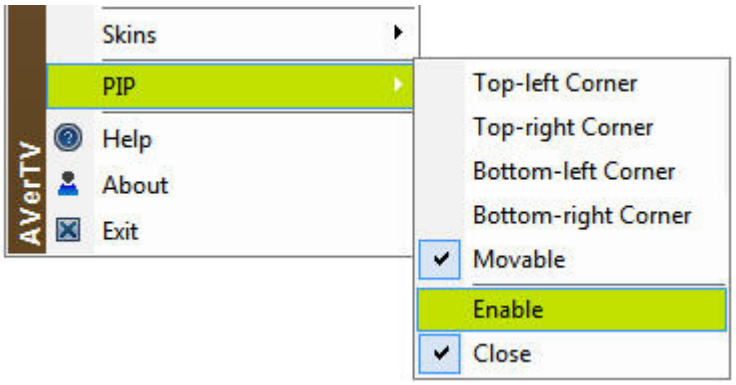
1. Click on the **Fast Play Speed Loop** icon at the right end of the slider. Click to switch to the next speed level based on the sequence in the playback speed list.
2. In fast-forwarding playback mode, **Play** button will be shown as **Pause**. Click **Pause** button to temporarily freeze the playback and click again **Play** button to continue playback.



Picture-in-Picture Display

With the picture-in-picture window feature, you can play back recorded video files, and simultaneously, watch live TV.
To enable PIP function

1. Right click the TV monitor, select **PIP** and choose **Enable**.
2. You can also point to **PIP** and select a desired position of the PIP window.
3. Select **Close** to disable the PIP function.



Position	Description
Top-left Corner /	Display the PIP window on the top-left corner
Top-right Corner /	Display the PIP window on the top- right corner
Bottom-left Corner /	Display the PIP window on the bottom-left corner
Bottom-right Corner /	Display the PIP window on the bottom-right corner
Movable /	Resize the PIP window and separate it from the main window

By default, you will be able to play back recorded video files on the main window, and simultaneously, watch live TV on the PIP window.

To switch the video playback to the PIP window and the live TV to the main window

- Press the button . You can also press the button to fix the size of the PIP window and the distance between the main window and the PIP window. To exit the PIP window, press .

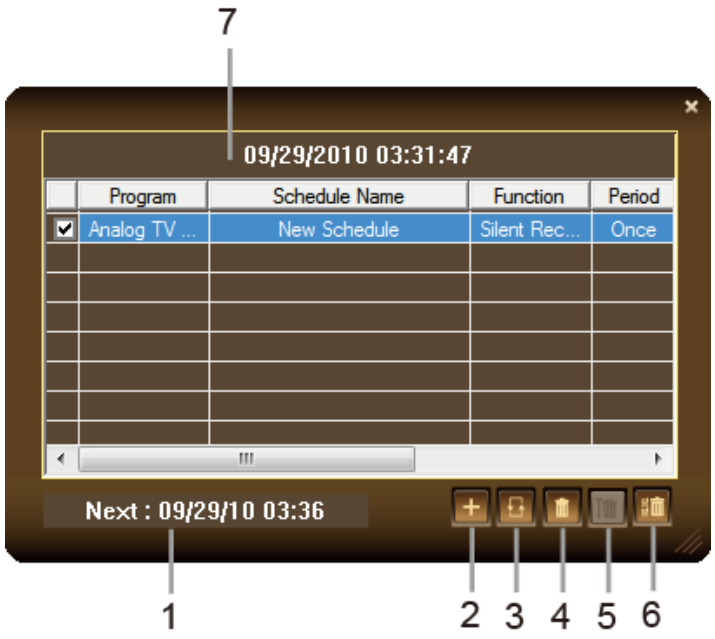
Scheduler

The Scheduler allows you to create a list of preset schedules for watching and recording your favorite TV/Radio programs. You can set the day and time to record the TV/Radio program and specify the length of recording.

Scheduler Controls

To run this application

1. Click the **Schedule** button on the Control Panel. Then the Scheduler dialog box will appear.
2. The check box next to the **Program** column indicates the schedule will be executed at a preset time. Once the application starts to execute a scheduled task, the system will clear the check mark automatically. If you want to skip the schedule temporarily, just clear the check box.

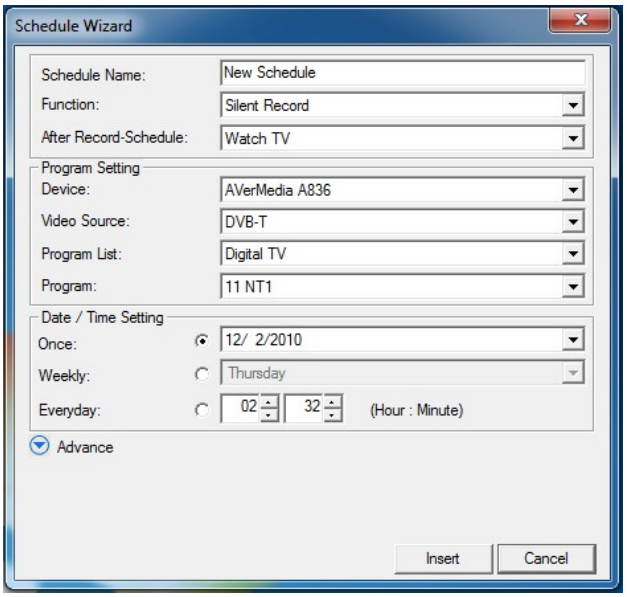


1	Next Schedule Time	Show the next schedule activation time.
2	Insert	Add a new schedule.
3	Modify	Select a preset schedule and click this button to make changes.
4	Delete	Click this to delete selected schedule.
5	Delete Expired Schedule	Click this to delete the expired schedule.
6	Delete All	Click this to delete all schedules.
7	Current Time	Show current time.

Adding Schedules

To create a new schedule

1. Click the Add button .
2. The **Schedule Wizard** dialog box appears.
3. Type the desired name in the **Schedule Name** text box.
4. From the **Function** drop-down menu, select the action to be scheduled.



   - **Activate AVerTV** : Watch a TV program or listen to a radio broadcast.
   - **Record** : Save a TV/Radio program for future viewing/listening.
   - **Silent Record** : Perform background recording instead of activating the TV/Radio program.
   - **Timeshift** : Schedule a task to enable Timeshift function.

   Note: If you select **Silent Record**, when the application is performing the recording task, the icon will appear on the task bar (the lower right corner of the screen). To immediately watch or listen to the TV/FM program which is being recorded, just double-click this icon.

5. In the **After Record-Schedule**, select an power control status after the scheduled recording

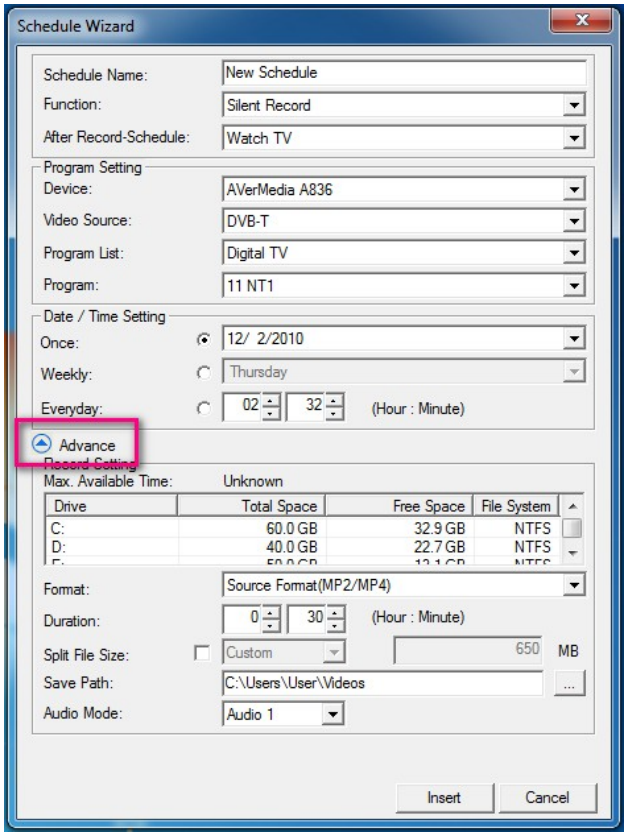
is completed.

- **Watch TV**: Switch to real-time TV mode.
- **Exit**: Turn off the AVerTV Application.
- **Stand By**: Turn off your monitor and hard disks.
- **Hibernate**: Save everything and then turn off your computer.
- **Shut Down**: Turn off your computer.

Note: If you choose **Watch TV** from the drop-down menu, after completing the **Silent Record** task, the icon will appear on the task bar (the lower right corner of the screen). Just double-click this icon, you can immediately watch live TV or listen to the radio.

6. In the **Program Setting** section, select the desired device, video source, group and channel you want.
7. In the **Date/ Time** section, select the frequency for your recording:
   Once, Weekly, or Everyday.

   - Once : Perform schedule at a preset day and a preset time.
   - Weekly : Perform schedule every week, at a preset day and time.
   - Everyday : Perform schedule everyday at a preset time.



8. If you choose **Activate AVerTV** in step 4, click **Insert** to complete the settings.
9. If you choose **Record** or **Silent Record**, you need to do the followings.
10. Click the **Advance** icon.
11. In the **Record Setting** section, you can determine the file format, recording duration, file size, destination folder and audio mode.
12. Click Insert to save the new schedule or click **Cancel** to abort without saving.

Image Capture

While you watch TV or a recorded video on your PC monitor, you can use the **AVerTV 3D** application to capture images for your documents, presentations or web pages.

Setting the Destination Folder

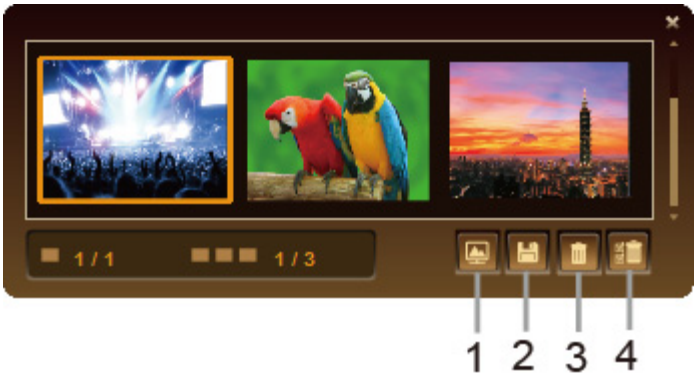
Before you start capturing images, first set the destination folder for saving captured images.
To set the destination folder

1. Click the Setup button and select **Setup > Snapshot**.
2. Then click to choose a folder where you want to save captured images.

Capturing a TV/ Video Image

To capture a still image

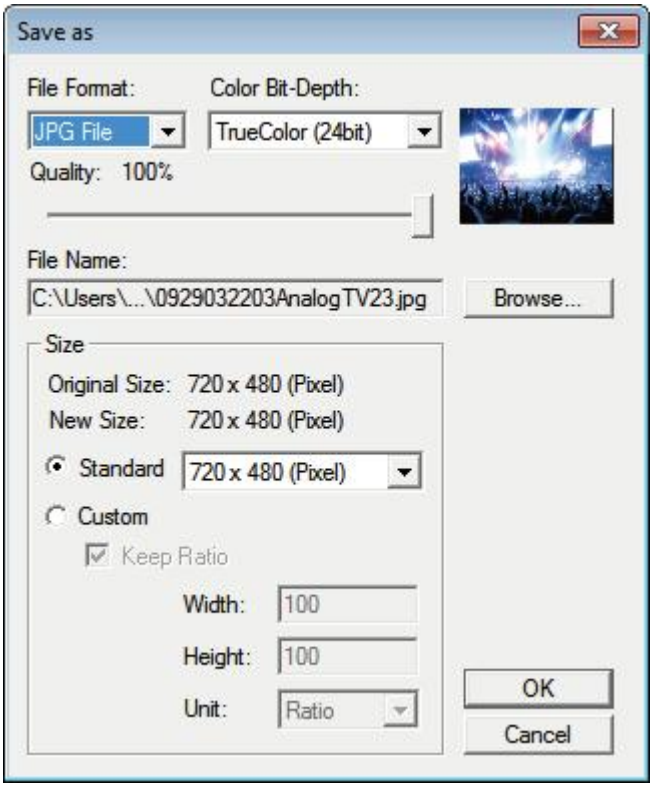
1. Click the Snapshot button on the Control Panel. The **Album** will then appear, displaying thumbnails of the captured images.
2. New thumbnails will be added to the **Album** as you capture more images.
3. Double-click on the thumbnails to view images in a full-screen window with default image viewer.



	BUTTON
1	Wallpaper
2	Save as
3	Remove
4	Remove All

To save the captured image

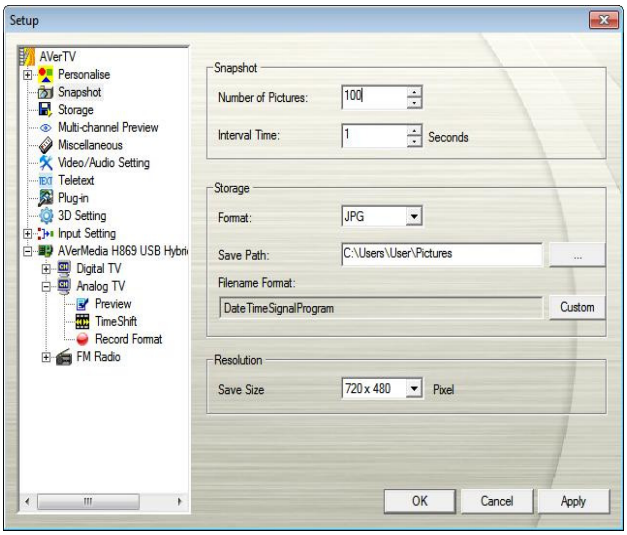
1. Select the thumbnail of the image.
2. Click the Save As button .
3. The **Save As** dialog box appears.
4. From the **File Format** drop-down menu, select the format for saving the captured image.
5. Select the **Color Bit-Depth** format. The options depend on the chosen file format.
6. Select 24-bit to capture image in 16M colors.
7. Select 8-bit to capture image in 256 colors.



8. Click **Browse** to scan for folders and select a destination location for saving the image. Then specify a file name for saving the captured image.
9. Select the image size in the **Size** section.
10. Select **Standard** to choose a desirable image size from the drop-down menu.
11. Select **Custom** to enter the prefered image Width and Height. If you want to maintain relative width and height, select the **Keep Ratio** option. Choose a measurement unit from the Unit drop-down menu. You can specify any image size you want. The maximum capture size is 1600x1200.
12. Click **OK** to save the image. Click **Cancel** if you do not want to save the image.

Multiple Image Sequence Capture

To capture a continuous sequence of images



1. Click the Setup button and select **Setup > Snapshot**.
2. In the **Number of Pictures** box, specify the number of images you want to capture.
3. In the **IntervalTime** box, specify the interval between captures. For instance, if you specify 10 seconds, an image will be captured every 10 seconds.
4. Select the file format and destination folder, file name format and image resolution.
5. Click **Apply** to save the new settings. Click **OK** to exit the current dialog box. Click **Cancel** to abort settings.
6. Click the Snapshot button on the Control Panel to start capturing.

Setting Image as Your Desktop Wallpaper

To display the captured image as your desktop wallpaper

1. Select the thumbnail of the desired image and then click the Wallpaper button .
2. The selected image will be displayed as your desktop wallpaper, the background of your desktop.

3DTV

AVerMedia is honored to present to you the latest 3D TV watching technology in the latest version of **AVerTV 3D**. Not only are you able to watch the vivid representation of programs with 3D sources, but also transform a 2D TV program into a 3D one via the 3D simulation technology by **AVerTV 3D**. Before diving into the whole new 3D world, make sure your PC system meets the requirements (please refer to the System Requirement at the beginning of this manual), pay attention to the health reminder concerning your personal welfares, and read the information on 3D technology to fully enjoy the entertainment that **AVerTV 3D** brings to you.

Health reminder

Watching 3D programs with the 3D glasses under correct usage and circumstances is not harmful to your eyes; however, some people might suffer from dizziness, nausea, headache or other uncomfortable feelings. To avoid suffering from any discomfort as such, or should any of these symptoms happen to you, please refer to the health notices below and consult the medical professionals if necessary.

- Do not wear the 3D glasses for any purpose other than 3D program watching. Wearing the 3D glasses for any activity not intended for 3D glasses application might cause serious damage or injury.
- Take regular breaks during long watching period.
- Keep a distance no less than 2.5 feet between you and the display while watching 3D program.
- If symptoms continue, stop wearing the 3D glasses and take the 3D glasses to the medical professionals for further examinations and medical advices.

3D technology application 101

1. 3D illusion and 3D technology

The 3D illusion in the real world for the human eyes usually refers to the depth caused by the compound of the two slightly different images seen through our eyes. Our eyes being spaced apart and each seeing a slightly different picture of the object, the human brain puts the received signals back together to calculate the distance, i.e, the depth, and this is exactly what a 3D video do: to recreate how the human eyes see things in the real world.
To recreate the human binocular vision on a 2D medium, we need images provided as how the human eyes perceive them and some gadgets that help us to put the artificial binocular images back to one, just as the brain works for us in the real world.

2. How 3D video signals are provided

To provide the images that the binocular vision requires, a technology called stereoscopic 3D is employed. Two images with slightly different perspectives of a video frame are provided simultaneously, with one sent to the left eye and the other to the right eye. The 3DTV broadcasts are either encoded as single video stream in side-by-side format or over/under format, or each view should be encoded as separate video stream. These two formats, which are known as "Frame Compatible," are adopted for the high bandwidth efficiency and better compatibility with existing hardware.
*** Please be noted that blu-ray video 3D illusion is not supported in AVerTV 3D**.

3. Different kinds of 3D glasses

The stereoscopic 3D technology described above requires the help of the 3D glasses, either passive or active ones, to properly filter the signals and then send the correct image to each eye to recreate the binocular vision.

The most commonly seen passive glasses are those with a pair of red and blue (or green) lenses. The color filtered image is then perceived by each eye to produce the three-dimensional effects. Because of the employment of color complementary, this method inevitably causes discolor.

The other kind of more advanced passive glasses are polarized glasses. Each lens of the polarized glasses blocks certain wavelength of the visible light, creating the difference of images perceived by each eye to produce the 3D effects. The linear polarized glasses use the combination of vertical and horizontal polarization, while the circular polarized glasses use the combination of clockwise and counter-clockwise polarization.

To create a more vivid and life-like binocular image and avoid discolor problem come the active glasses. The LC (liquid crystal) shutter glasses work with a transmitter or emitter connected to the computer and the each lens blinks on and off by turns in sync with the display at half of the display refreshing rate. Each eye seeing an image, from a slightly different angle, creates the binocular vision.

1. To control 3D functions (3D View / 3D Record / see3D View / see3D Record) with the remote control, please first remap the remote keys. Refer to the section **Advanced Operations > Input Settings > Changing Definitions of the Remote Control Buttons** for details.

2. Please switch to 3D source TV programs before you click the **3D** button on the TV monitor and use Real 3D functions (3D View / 3D Record).

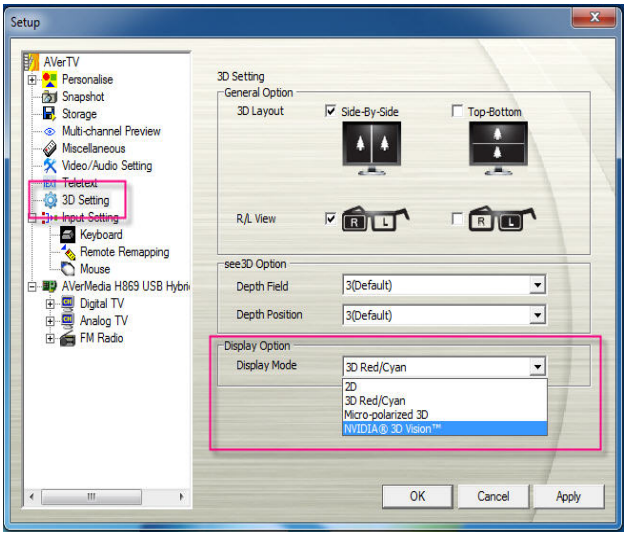
3D Watching Operations

Before watching 3DTV, please make sure you finish the scanning channels and setup process (please refer to the section **Scanning Channels** for more information).

Watching in 3D Mode

Before watching in 3D Mode, first configure the **3D Setting**

1. Click the **Setup** button and select **Setup > 3D Setting**.
2. Try and select the correct **3D layout (Side-By-Side/Top-Bottom)** and **R/L View** based on your 3D source.
3. Select **3D Red/Cyan**, **Micro-polarized 3D**, or **NVIDIA® 3D Vision™** from the **Display Mode** drop-down menu according to your 3D watching equipments.
4. Click **Apply** to save the setting and click **OK** to exit the dialog box.



If you find 3D simulation is not satisfactory, it may be due to the incorrect 3D setting of "R/L View". Please select the other option and retry.

To watch a live 3D source TV program via **AVerTV 3D** after setup

1. Switch to the channel of 3D source.
2. Click **3D** icon on the control panel.
3. Select **View** to start. The screen goes into full screen mode after you start watching 3DTV.
4. Now you can put on the 3D glasses and enjoy the vivid 3D program.
5. To end 3D watching, double click on the screen, press **Esc** key on your keyboard, or use the **Back** key on the remote control.

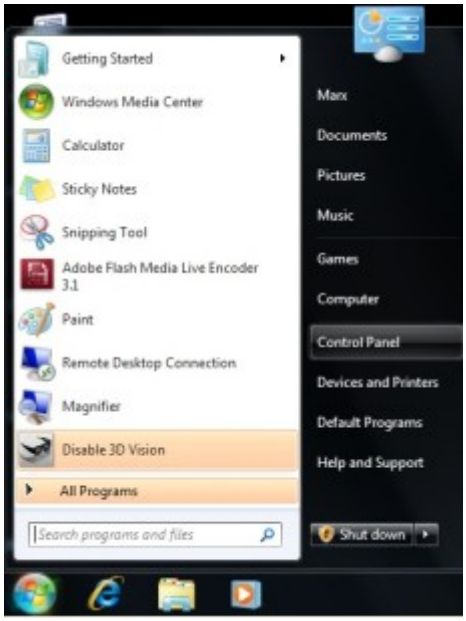
1. During 3D watching, operations such as channel switch, **TimeShift** are not available except for volume control.

2. To control 3D functions (3D View / 3D Record / see3D View / see3D Record) with the remot control, please first remap the remote keys. Refer to the section **Advanced Operations > Input Settings > Changing Definitions of the Remote Control Buttons** for details.

"NVIDIA® 3D Vision™" Settings

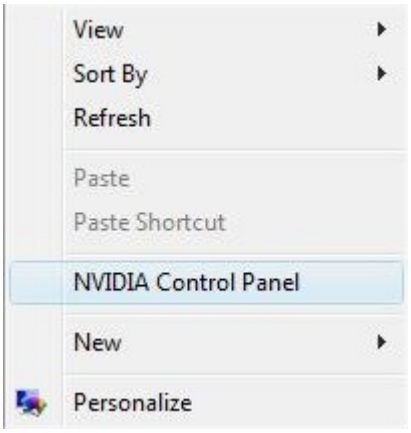
If you are using a **NVIDIA® 3D Vision™**, please follow the instructions below to complete the necessary settings for successful 3DTV watching.

- Go to **Start** è **All Programs** è **NVIDIA Corporation** è **NVIDIA Control Panel**.

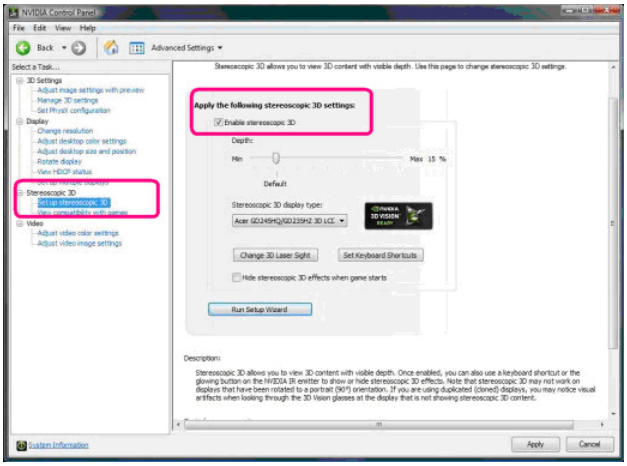


or

- Right-click on the desktop to bring up the quick menu and select **NVIDIA Control Panel**.



- Go to **Set up stereoscopic 3D** and check **Enable stereoscopic 3D** to activate 3D relevant settings.

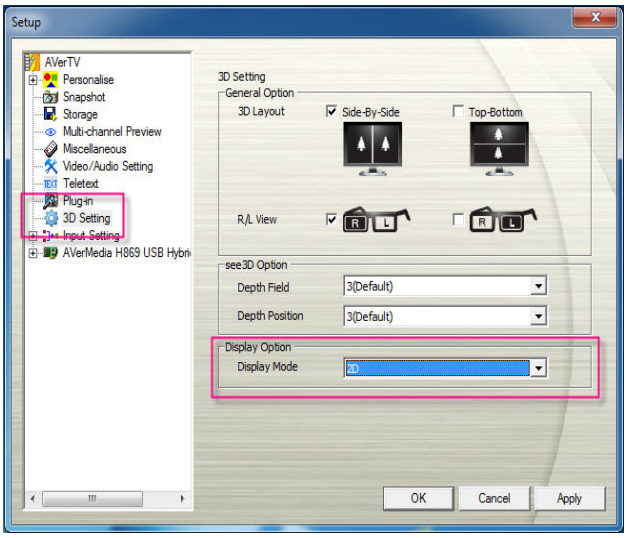


Watching a 3D Source TV Program in 2D Mode

If you prefer 2D TV watching for a live 3D source TV program, follow the instructions below to turn a 3D source TV program in 2D.

Before watching in 3D-to-2D Mode, first configure the **3D Setting**

1. Click the **Setup** button and select **Setup > 3D Setting**.
2. Select **2D** from the **Display Mode** drop-down menu.
3. Click **Apply** to save the setting and click **OK** to exit the dialog box.



To watch a 3D Source TV Program in 2D Mode after setup

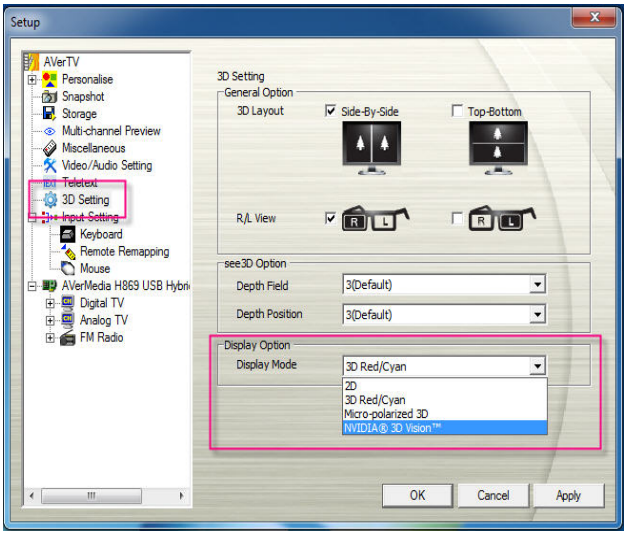
1. Switch to the channel of 3D source.
2. Click **3D** icon on the control panel.
3. Select **View** to start.
4. To end 3D watching, double click on the screen, press **Esc** key on your keyboard, or use the **Back** key on the remote control.

Watching a 2D Source TV Program in 3D Illusion via AVerTV 3D

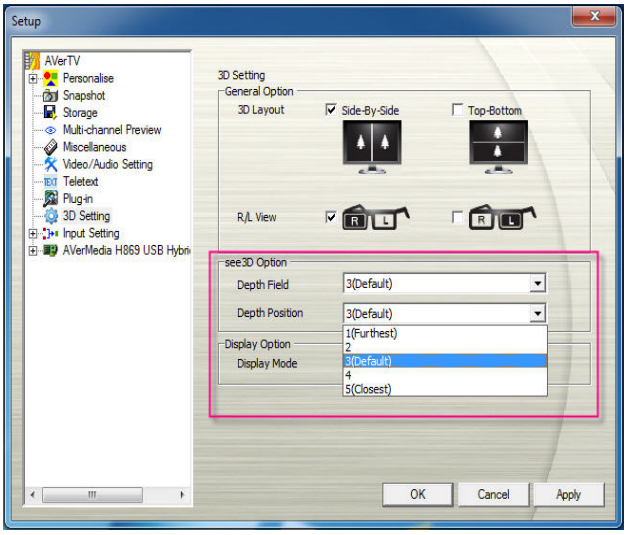
AVerTV 3D allows you to enjoy the 3DTV watching fun even with the common 2D source TV programs. Follow the instructions below to turn a 2D source TV program into a 3D simulation one.

Before watching in 2D-to-3D Mode, first configure the **3D Setting**:

1. Click the **Setup** button and select **Setup > 3D Setting**.
2. Select **3D Red/Cyan**, **Micro-polarized 3D**, or **NVIDIA® 3D Vision™** from the **Display Mode** drop-down menu according to your 3D watching equipments.



3. Select a value from both the drop-down menu of **Depth Field** and **Depth Position** to your liking.
4. The value of **Depth Field** that you choose alters the sharpness and focus of the images represented on your PC screen, so the higher value you choose, the deeper of the image effects the **see3D** simulates.
5. The value of **Depth Position** that you choose alters the distance you perceived between the images represented on your PC screen and yourself. The higher value you choose, the closer distance you feel from the screen.
6. Click **Apply** to save the setting and click **OK** to exit the dialog box.



The 2D-3D video conversion effect will be influenced by the quality of your resorce content.

To watch a 2D source TV program in 3D illusion via AVerTV 3D after setup

1. Switch to the channel of 2D source.
2. Click **see3D** icon on the control panel.
3. Select **View** to start watching a 2D program in 3D mode.
4. To end see3D watching, double click on the screen, press **Esc** key on your keyboard, or use the **Back** key on the remote control.

If you select **2D** from the **Display Mode** drop-down menu on the **3D Setting** page, you will see a 2D TV image when you click ***see3D*** *and select* ***View****.*

Recording a 3DTV Program

To record a 3DTV program

1. If the screen hasn't gone into 3D watching full screen mode, click **3D / see3D** icon on the control panel and select **Record** to start.
2. To end 3D recording, double click on the screen, press **Esc** key on your keyboard, or use the **Back** key on the remote control.

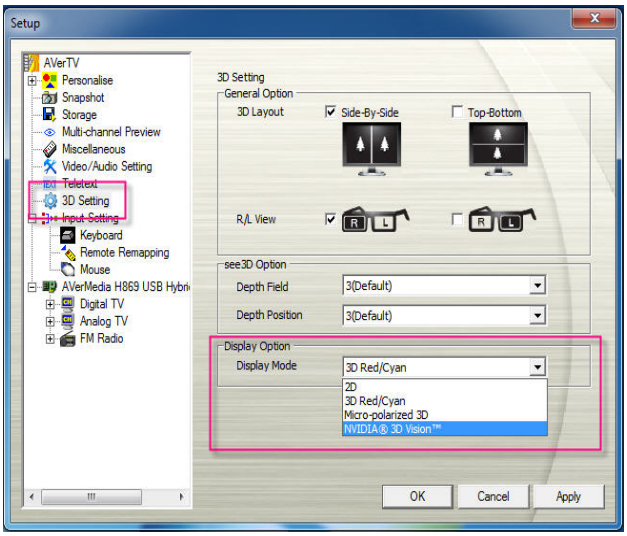
1. The screen goes into full screen mode after you start recording.

2. Please DO NOT exit full screen mode during 3D video recording or the recording will be stopped. 3. Any system messages will end 3D video recording or 3DTV viewing.

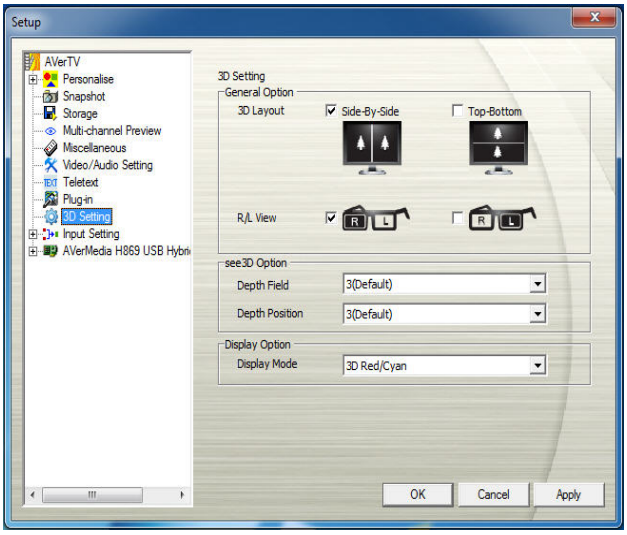
Playing a Recorded 2D Source TV Program in 3D Simulation

Before playing recorded files in 3D Mode, first configure the **3D Setting**

1. Click the **Setup** button and select **Setup > 3D Setting**.
2. Select **3D Red/Cyan**, **Micro-polarized 3D**, or **NVIDIA® 3D Vision™** from the **Display Mode** drop-down menu according to your 3D watching equipments.



3. Select a value from both the drop-down menu of **Depth Field** and **Depth Position** to your liking.
4. Click **Apply** to save the setting and click **OK** to exit the dialog box.



Playing a Recorded 3DTV Program

1. Play a recorded 2D source TV program (please refer to the section **Recording and Playback** for details).
2. Click **see3D** icon on the control panel.
3. Select **View** to start watching a 2D program in 3D mode.
4. To end see3D watching, double click on the screen, press **Esc** key on your keyboard, or use the **Back** key on the remote control.

Advanced Operations

TV Settings

Enhancing the Video Quality

To enhance the video quality

- Right click on the TV monitor and select **Individual Channel Setting**.

or

- Click **Setup** button and select **Individual Channel Setting**.

1. Select **Video** tab.
2. Choose a desired option from the **Video Quality Enhancement** drop-down menu.
   - **Enable**: Activate to improve the video quality.
   - **Disable**: Disable the video quality enhancement function.
   - **Automatic**: Automatically adjust video quality depending on the video screen size.

3. If you just want to enhance video quality of one specific channel, select **Apply this setting to the current channel** and repeat the step above. To apply the converted settings to all channels, click **Apply All** button .
4. Click **Default** button if you want to revert the factory settings.

Using the De-interlace Function

The de-interlace function can remove the jagged edges of images in serial rapid movement. It is recommended using this function to ensure smooth and clear video images.

To use the de-interlace function

- Right click on the TV monitor and select **Individual Channel Setting**.

  or

1. Click **Program List** button on the control panel and then click **Individual Channel Setting** button
2. Select **Video** tab.
3. From the De-Interlace drop-down menu, try all the options to compare which can give you the best quality.

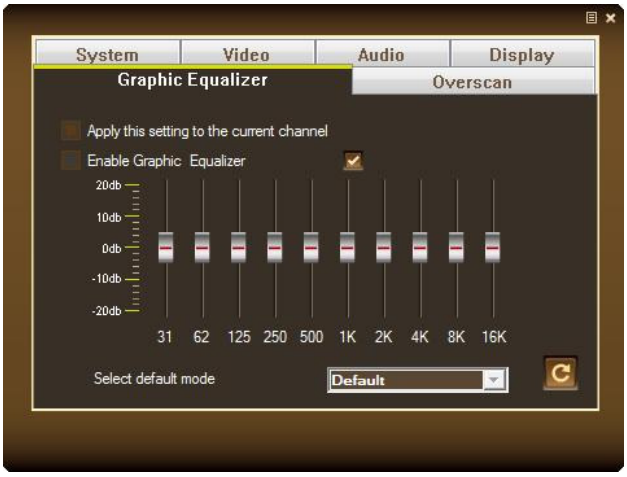
Graphic Equalizing

The graphic equalizer function enables users to have the best audio quality for the chosen music style.

- Right click on the TV monitor and select **Individual Channel Setting**.

  or

1. Click **Program List** button on the control panel and then click **Individual Channel Setting** button.
2. Select **Graphic Equalizer** tab.
3. Select **Enable Graphic Equalizer** check box to enable the function.
4. Select the desired music style from the **Select default mode** drop-down menu.
5. If you just want to adjust sound effects for one specific channel, select **Apply this setting to the current channel** and repeat step 3 and step 4.
6. To apply the converted settings to all channels, click **Apply All** button.
7. Click **Default** button if you want to



revert the factory settings.

System Settings

In the System settings page, you are able to modify the audio system and audio mode based on the TV system you use.

- Right click on the TV monitor and select **Individual Channel Setting**.

or

1. Click **Program List** button on the control panel and then click **Individual Channel Setting** button .
2. When a dialog box appears, select **System** tab.
3. Select the TV system from the Video Standard drop-down menu.
4. Choose the preferred **Audio System** or **Audio Mode** from the drop-down menu.
5. The items in the drop-down menu of **Audio System** and **Audio Mode** may differ based on the selected Video Standard.
6. To apply the converted settings to all channels, click **Apply All** button.
7. Click **Default** button if you want to revert the factory settings.

Using the Overscan Function

On some broadcast channels, you might see distorted lines or black spaces on the top, sides, or bottom of the screen. These video artifacts derive from the source signal, and can be masked using the **Overscan** feature.
To hide the edges of the picture

- Right-click on the TV Monitor and choose **Overscan** to enable it.

or

- Right click on the TV monitor. When a pop-up menu appears, select **Individual Channel Setting**.

or

- Click **Program List** button on the control panel and then click **Individual Channel Setting** button .

1. When a dialog box appears, select **Overscan** tab.
2. Use and to adjust either side of the margins for a better quality image
3. To have equal margins of all sides, click on the **Lock All** icon. Then use to increase or decrease the number (0~50) as you prefer.
4. For equal left and right margins, select the **Keep Vertical Ratio** check box. For equal top and bottom margins, select the **Keep Horizontal Ratio** check box. Then use to adjust the margin height or width.
5. If you just want to apply Overscan setting to one specific channel, select **Apply this setting to the current channel** and repeat the previous steps.
6. Click **Default** button if you want to revert the factory settings.
7. Clear **Overcan** check box if you want to disable overscan function.

You can see the difference from the pictures below:

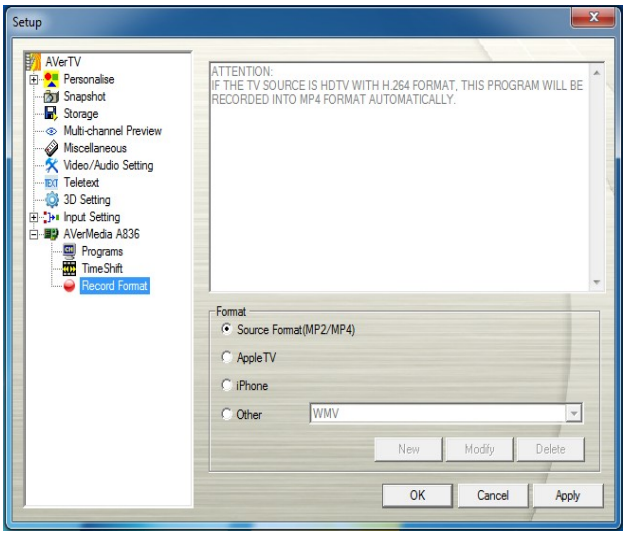
Before using Overscan function

After using Overscan function

Recording Settings

To customize the video record settings

1. Click the Setup button and select **Setup**. Then choose your desired signal input on the left pane.
2. Select **Record Format**.
3. Select the video file format for saving the recorded video file.
4. Use the default format or select **New** to create your own file format.



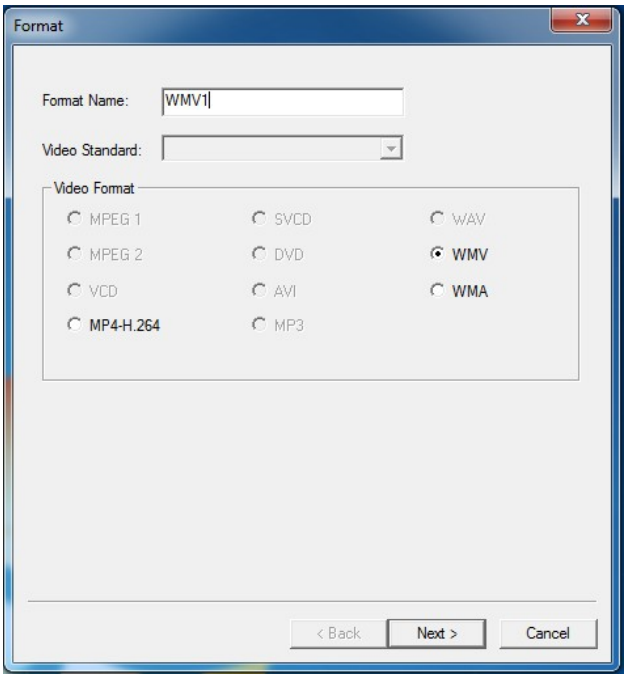
5. If you click **New**, the **Format** dialog box appears. In the **Format** dialog box, select the file format you want and enter the desired name in the text box. Click **Next**.
6. In the **Video** dialog box, you can set the video format and audio format. Click **Finish**.
7. If you want to change the settings of your own file format, click **Modify.** Or click **Delete** to remove the unwanted file format that you created.
8. Click **Apply** to save the setting and click **OK** to exit the current dialog box. To abort this operation, click **Cancel**.

Customizing Video Record Formats

The WMA/WMV files are allowed to be customized.

To customize **WMA/WMV** files

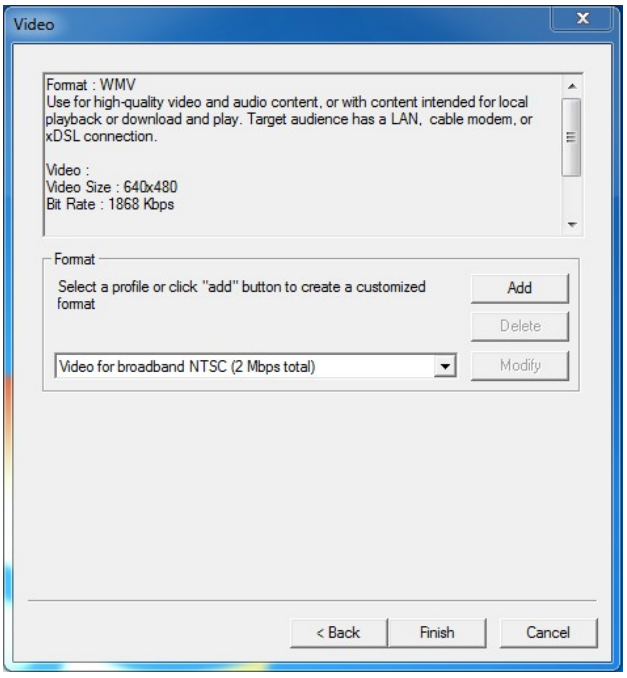
1. Follow the previous steps in "To customize the video record settings", but choose the **WMA/WMV** file format in step 3.
2. Click **New**. In the Format dialog box, select the WMA/WMV file format and enter the desired name in the text box. Click **Next**.



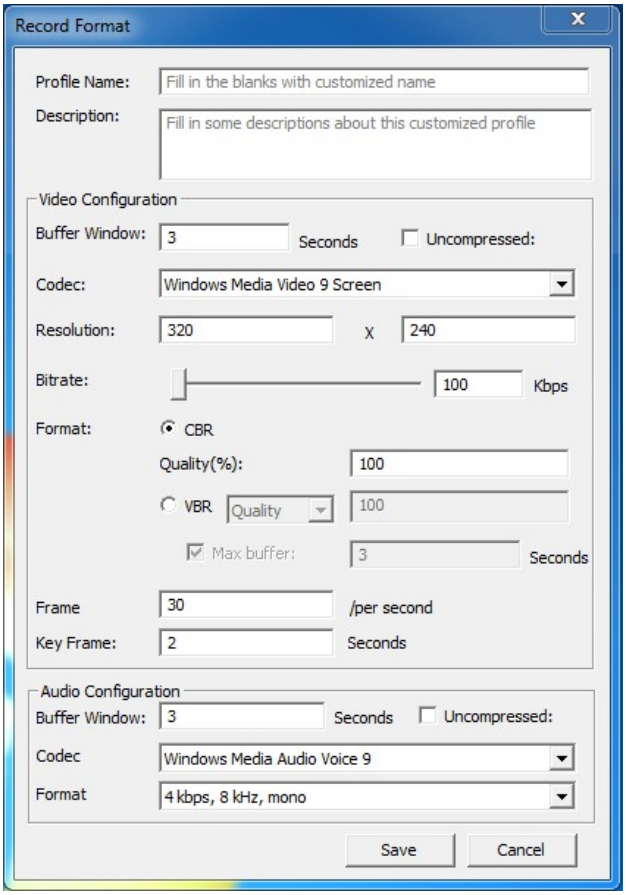
3. In **Video** dialog box, select a profile.

   or

   Click **Add** button to create a customized format.


Video
Format : WMV
Use for high-quality video and audio content, or with content intended for local playback or download and play. Target audience has a LAN, cable modem, or xDSL connection.
Video :
Video Size : 640x480
Bit Rate : 1868 Kbps
Format
Select a profile or click "add" button to create a customized format
Add
Delete
Modify
Video for broadband NTSC (2 Mbps total)
< Back
Finish
Cancel

4. After you click **Add**, you will see the **Record Format** dialog box (as shown at right). Here you can create your preferred video and audio configurations for video recording. Then, click **Save**>**Finish**.

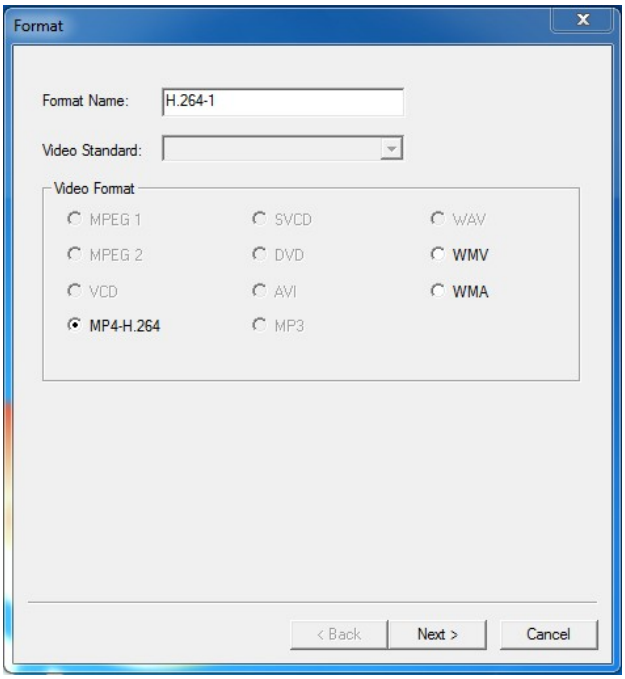


To determine the length of recording and to choose a destination folder in which to save the recorded audio, please refer to the section titled **Recording and Playback > Recording Settings.**

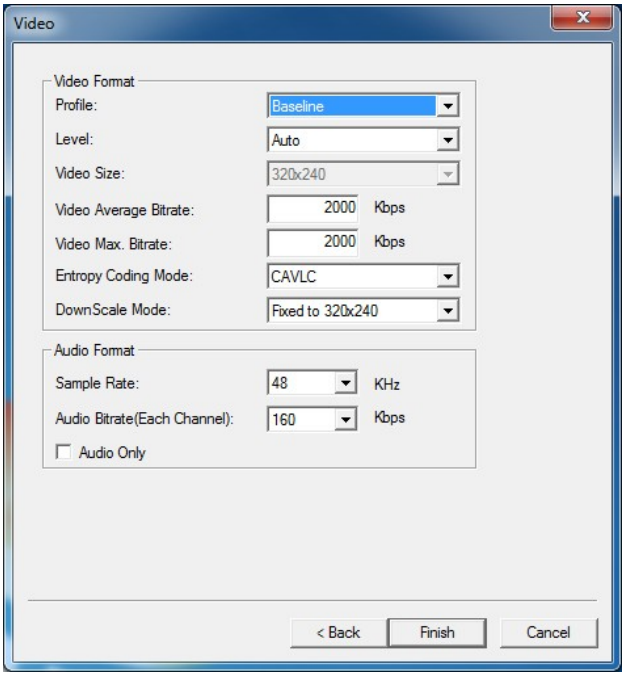
The MP4-H.264 file is allowed to be customized.

To customize MP4-H.264 file

1. Follow the previous steps in "To customize the video record settings", but choose the **MP4-H.264** file format in step 3.
2. Click **New**. In the *Format* dialog box, select the **MP4-H.264** file format and enter the desired name in the text box. Click **Next**.



3. You will see the **Video** dialog box appears (as shown at right). Here you can create your preferred video and audio configurations for video recording. Then, click **Finish**.



Information:

File Format	Description
MPEG-2	• Videos compressed using MPEG-2 have extremely high quality pictures and full CD-quality sound. Choose MPEG-2 format for video files that are intended for DVD-ROM playback on a computer or if you want broadcast quality videos.
DVD	• When you choose this format, the recorded video file will be saved in MPEG-2 format that is compliant with DVD standards. Standard DVD frame size and frame rate are 720 x 480 pixels at 29.97 fps for NTSC and 720 x 576 at 25 fps for PAL.
AVI	• AVI is the most common video file format for playback on the computer. It can be saved in uncompressed form if you want high quality video, or compressed using any of the available codecs if you want to minimize the file size.
WAV	• A common audio file format for Windows computers. It was created by Microsoft and has become a standard PC audio file format.
iPod	• A video format base on H.264 standard but has smaller video bit rate. It's an iPod -compatible format.
PSP	• A video format base on H.264 standard but has smaller video bit rate. It's an PSP -compatible format.
MP4-H.264	• Videos compressed using MPEG-4 standard are two or three times more efficient than MPEG-2. This format can be applied to a wide variety of applications or networks and systems like HD-DVD, Digital TV, Broadcast and Streaming applications.
WMA	• An audio file format that is use for content intended for local playback or download and play. It provides near-CD quality.
WMV	• WMV stands for Window Media Video, which is defined by Microsoft. This file targets audiences with high speed Internet or LAN connections.
MP3	• An audio format compressed with a standard defined by Motion Picture Experts Group offers near-CD quality sound.
iPad	• A video format that is optimized for viewing on iPad.
iPhone	• A video format that is optimized for viewing on iPhone.
Apple TV	• A video format that is optimized for viewing on Apple TV.

Input Settings

Changing Definitions of the Remote Control Buttons

To re-define a function for a certain button on the remote control

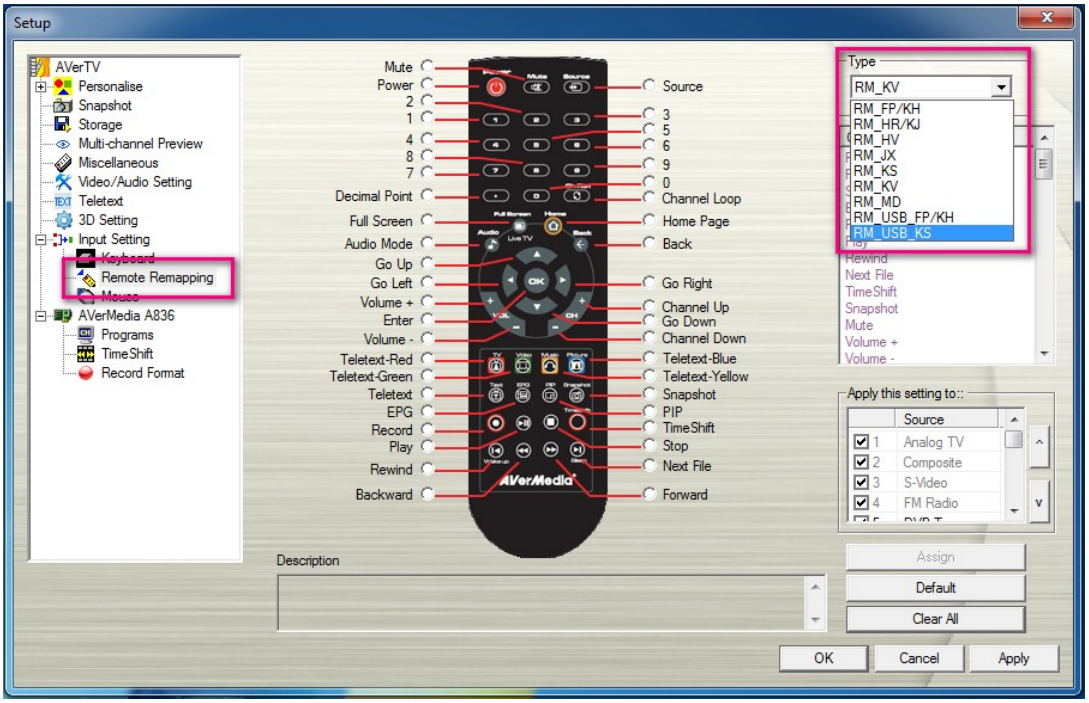
1. Click the **Setup** button and select **Setup > Input Setting > Remote Remapping**.
2. Select a desired button and choose a new command from the right pane of the dialog box. Then click **Assign**.

   or

   From the right pane of the dialog box, drag the desired command and drop it on the remote button which you want to change the definition.
3. Click **Apply** to save the settings.
4. Click **Clear All** to delete all definitions of the remote control or click **Default** to revert to the factory setting.

Customizing the Remote Control Source Button

On the Remote Source Control page, you may customize the remote control **Source** button to switch on the selected item.



1. Click the **Setup** button and select **Setup > Input Setting > Remote Remapping**.
2. Select the signal “Source” button.
3. Click the UP or DOWN button at the right side until the selected signal reaches the

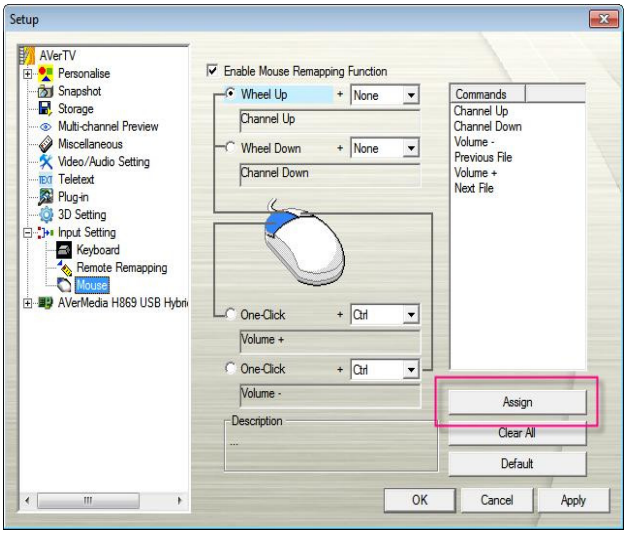
location you desire.

4. Click **Apply** to save the settings. Or click **Default** to revert to the factory setting.

Customizing Definitions of the Mouse

To re-define the mouse

1. Click the **Setup** button and select **Setup > Input Setting > Mouse**.
2. Select **Wheel Up**, **Wheel Down** or **One-Click** and the desired item from the drop-down menu. Then choose a new command from the right pane of the dialog box.
3. Click **Assign**.
4. Click **Apply** to save the settings.
5. Click **Clear All** to delete all definitions of the mouse or click **Default** to revert to the factory setting.

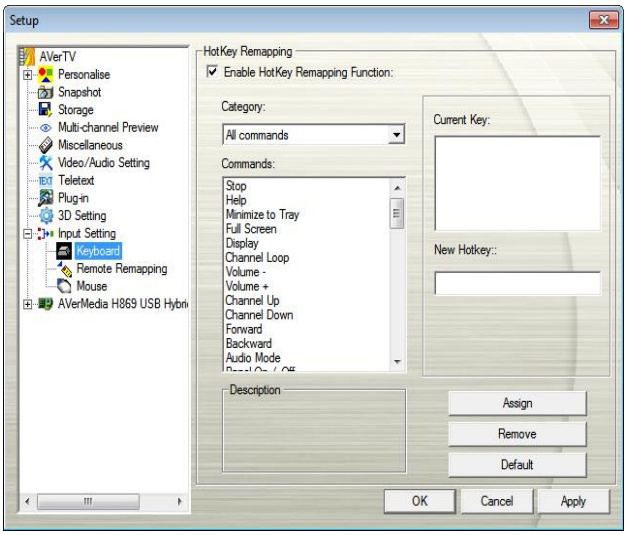


Customizing Definitions of the Keyboard (Hot Keys)

You can use the default hot keys or create your own hot keys.

To re-define the shortcut keys

1. Click the Setup button on the control panel and select **Setup > Input Setting > Keyboard**.
2. Select the signal status from the **Category** drop-down menu.
3. Choose a command that you want to specify a new hot keys.
4. Assign hotkey combination to the command that you use most often.
5. Click **Assign**. Or you can click **Remove** to delete hotkeys.



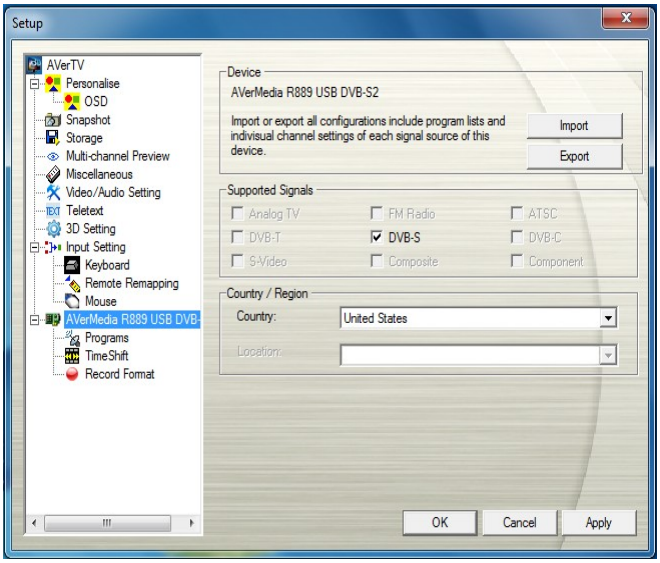
It is recommended to use an unassigned key to use as your new keys.

Configurations of Import and Export

After setting up the device, all configurations can be saved as a file (.adi). Thus, resetting-up is not required unless the adi. file has been removed.

To import or export the file of all configurations

1. Click the **Setup** button and in the **Setup** dialog box, select an available AVerMedia device in the left pane.
2. Click **Export** button. Then the **Save As Dialog** appears for users to select the saving path.
3. Click **Import** button, and the **Open Dialog** appears for users to select the saved files.
4. Click **Apply** to save settings or click **Cancel** to abort without settings.



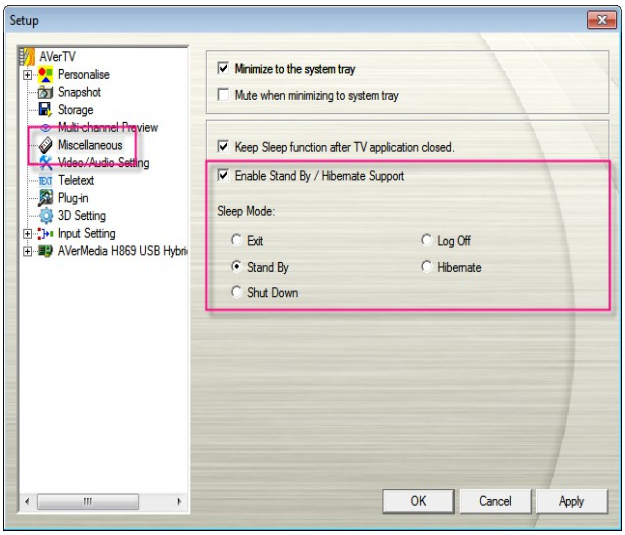
Setting Windows Power Options

This option allows you save power by putting your computer in stand by or hibernate mode, power off, exit the application or log off from the computer while you are away from the computer.

Stand By	Stand By is a state in which your monitor and hard disks turn off, so that your computer uses less power.
Hibernate	Hibernation is a state in which your computer shuts down to save power but first saves everything in memory on your hard disk.

To enable power saving support

1. Click the **Setup** button and select **Setup > Miscellaneous**.
2. By default, the system is set to enable the **Stand By/Hibernation** option.
3. Select the desired power-saving settings.
4. If your computer has a problem with coming out of Stand By or Hibernate mode, please clear the Stand By/Hibernate option.
5. Then press the **Sleep** button on the remote control repeatedly to set the execution time.



or

1. Right-click on the TV monitor, point to **Sleep** and select the desired mode.
2. Right-click on the TV monitor again, point to **Sleep** and choose an execution time.
3. The time setting will be displayed on the TV monitor.
4. You can choose to keep or disable your setting when exiting the AVerTV 3D application.

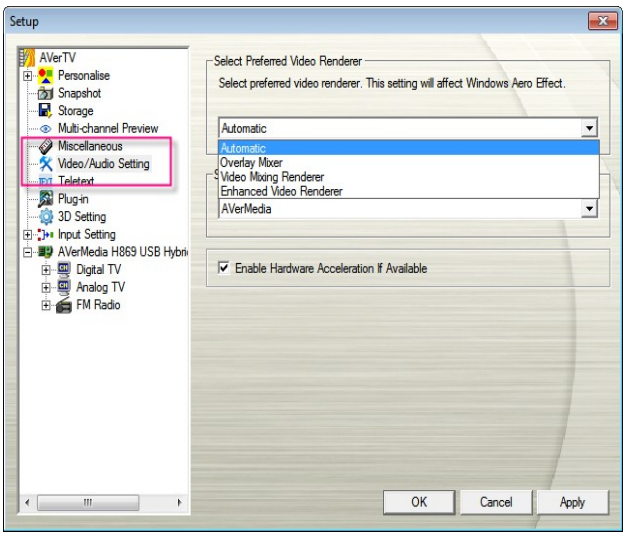
Time setting mode	**Description**
Sleep 30/60/90/120 Minute(s)	Your computer goes into Stand By or Hibernate mode in 30/60/90/120 minutes.
Now	Your computer goes into Stand By or Hibernate mode in about 10 seconds.
Cancel	Your computer returns to original settings.

Changing Renderer and Decoder

According to your graphic card and computer, you can choose a suitable renderer for the best watching experience. EVR (Enhanced Video Renderer) filter is only supported on Vista OS, and is not available on XP or older OS versions. The benefit of using EVR is that it can reduce color space transform costs and have better timing and synchronization mechanism which balances CPU resource well.

To choose the video renderer you prefer

1. Click the **Setup** button and in the **Setup** dialog box, click the **Video/Audio Setting** icon on the left pane.
2. In the **Select Preferred Video Renderer** area, you can select preferred video renderer from the drop-down menu.
3. Click **Apply** to save settings or click **Cancel** to abort without settings.

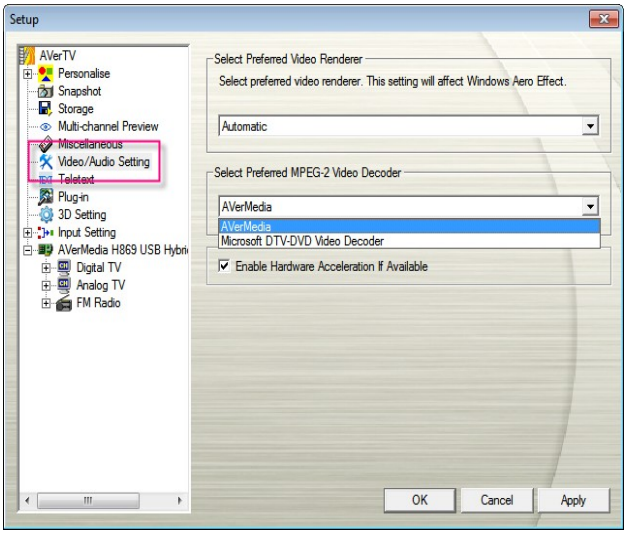


1. By default, the renderer is set to **Automatic** (Overlay Mixer for Windows XP system; Enhanced Video Renderer (EVR) for Windows Vista / Windows 7 system). 2. Under Windows Vista system, if you choose **Overlay Mixer**, the Aero Effect will be affected. Then if you select **Video Mixing Renderer** again, you will be asked to restart the computer to re-enable Aero Effect.

To choose the MPEG-2 video decoder you want

Note:This option may not be available depending on the operating system you use. The MPEG-2 Video Decoders can be chosen only in Windows Vista / Windows 7 system.

1. Click the **Setup** button and select **Video/Audio Setting**.
2. In the **Select Preferred MPEG-2 Video Decoder** area, you can select preferred decoder from the drop-down menu.
3. Click **Apply** to save settings or click **Cancel** to abort without saving.



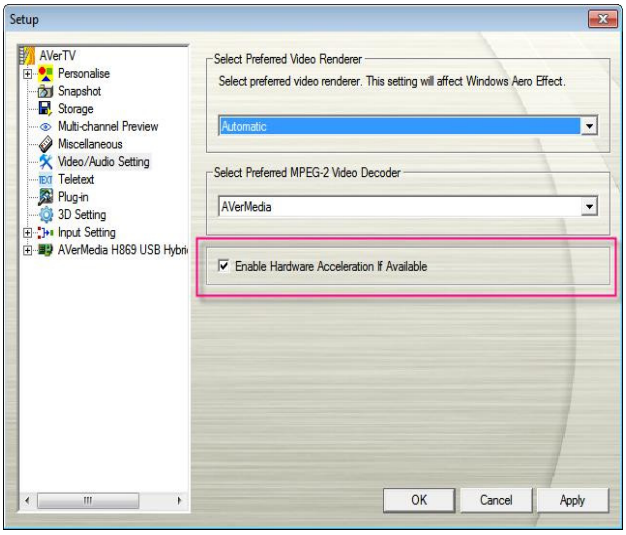
Enabling Hardware Acceleration

If your VGA card supports DxVA, the "**Enable Hardware Acceleration if available"** option will be enabled.

To watch HDTV, it is recommended to select **Enable Hardware Acceleration If Available** to activate the video acceleration of the VGA card.

To enable hardware acceleration

1. Click the **Setup** button and in the **Setup** dialog box, click the **Video/Audio Setting** icon on the left pane.
2. Select **Enable Hardware Acceleration If Available**.



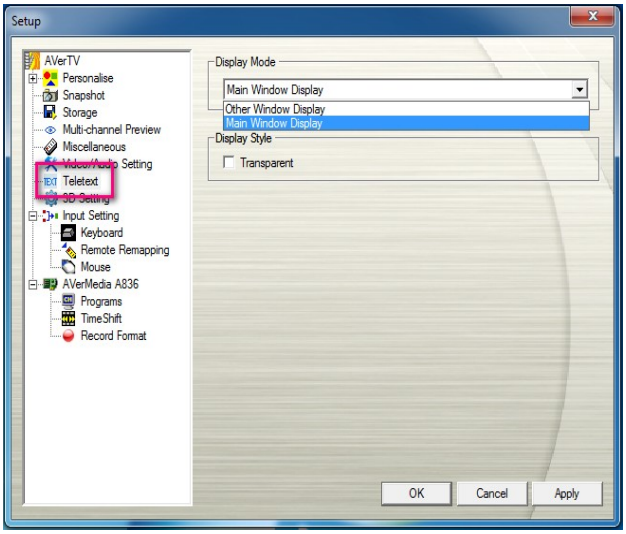
Hardware Acceleration only supports H.264 DXVA. Other video formats are not supported.

Teletext (PAL/SECAM only)

Teletext makes TV viewing a unique experience. It allows you to view teletext broadcasts from your television programs to get the most updated information on TV Schedules, News, Stock Market Prices, Concert & Theatre information and so on. Teletext information may not be available if there is no such service provided in your region or country.

Customizing the Display Mode

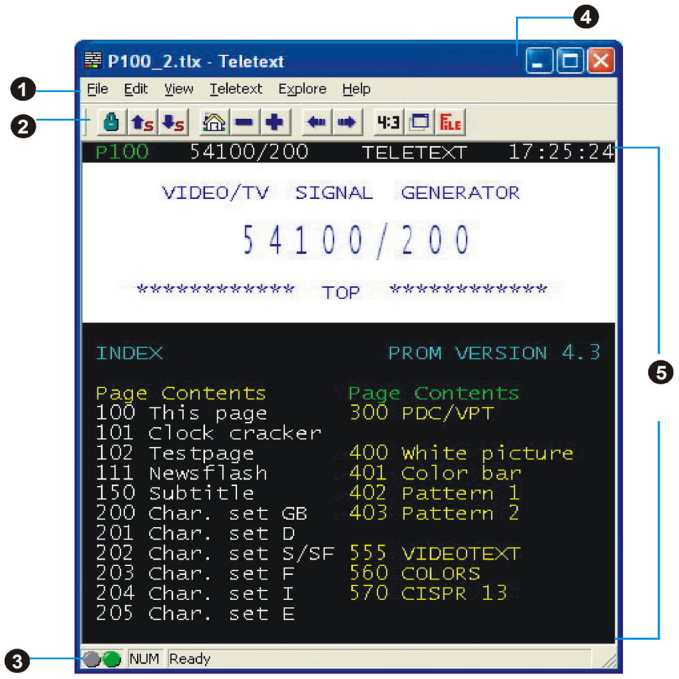
1. Click the **Setup** button and select Teletext.
2. From the **Display Mode** drop-down menu, choose **Other Window Display** to open a new Teletext window or choose **Main Window Display** to overlay the Teletext window on the TV monitor.
3. Select the **Transparent** check box to make the Teletext window transparent.



Overview

Click the **Teletext** button on the control panel to open the Teletext application as shown below.

For more information about Teletext, please see below in this chapter.



	BUTTON	FUNCTION
1	Menu Bar	This contains the names of the available drop-down menu option menus. To access any of the menu items, simply click on it or hold down Alt and press the first character of each item.
2	Toolbar	It includes buttons that gives quick access to perform certain frequently used functions from the **Menu** Bar.
3	Status Bar	Status bar is located at the lower left corner of the window. It contains a short text message or explanation of the currently selected menu command.
4	Title Bar	This is located at the top of the window. It contains the current displayed page number or in hexadecimal page number of an active window.
5	Teletext Browser	Teletext information is displayed in this area. The information would be the TV schedules, news, stock market reports, concert & theater information and so on.

Toolbar Buttons

Lock Sub page
Lock the current sub page. The upcoming transmitted sub pages will be stored in the Teletext Cache for later use.

Previous Sub page/ Next Sub page
Switch to the next or the previous sub page.

Home (Ctrl+H)
Connect to the Teletext home page which always goes to page 100, but page 100 may not be the primary Teletext source.

Previous Page (-) / Next Page (+)
Display the preceding or the succeeding Teletext in hexadecimal page number.

History Back / History Forward
Retrieve the previous page in the history list.
Move a page forward in the history list. The command is usable after one or more back steps in the history list.

TV Scale
Change the proportion of the Teletext window to 4 by 3.

Always On Top
Make Teletext Window float over the top of other applications.

Teletext File
Switch between the Teletext file which is opened from the previously saved file and the most recent Teletext information.

LED Lamp

Different LED color indicates different state.
Left LED Lamp:
Gray -- The system does not receive the Teletext broadcast data.
Green -- The system is receiving the Teletext broadcast data.

Right LED Lamp:
Green -- The cache in Teletext application is running less than 90% usage.
Yellow -- The cache in Teletext application is running over 90% usage.
Red -- The cache in Teletext application is running out.

Using Teletext

The following briefly describes how to use the Teletext features.

Teletext Page

There are two page numbers displayed on the first line of each Teletext page. The page number on the left is the page number that you have selected or keyed in. The other one in the middle of line is the page number of the currently displayed Teletext data.

The newly selected page number appears on the upper left corner of the page. Sometimes, this may take a while to retrieve the newly selected Teletext page. There will be no changes on the page when there is no page data transmitted with the number you have selected.

A Teletext page can be selected with one of the following methods:

- Key in the hexadecimal or Teletext page number using the numeric buttons of your keyboard or AVerMedia TV remote control.
- Press the + (positive) or – (negative) button to move to the succeeding or preceding Teletext page.

Copying a Teletext Page

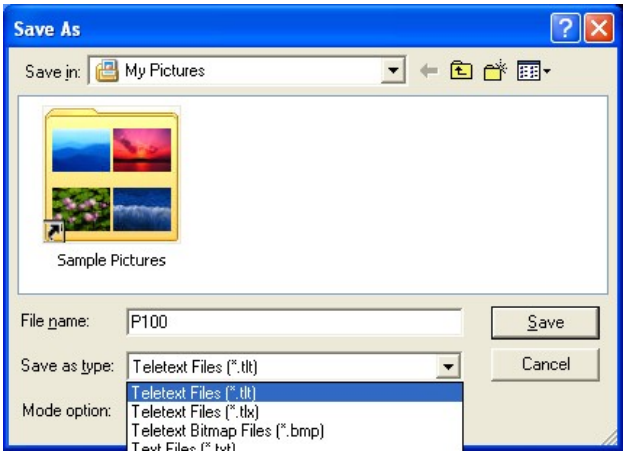
1. Simply click and drag over the text or the area that you want to copy using the mouse.
2. Choose **Copy** from the **Edit** menu (*Alt+E*, *C*) or press *Ctrl+C*.
3. You can then paste the contents of the Teletext page in TXT or BMP format to a document you are working with.

Saving a Teletext Page
Some Teletext pages include a number of subpages. If the file has subpages, Teletext will also save the existing subpages.

1. A Teletext page can be saved using one of the following ways:

- To automatically save the file using the displayed Teletext page as the filename and the default file format, choose **Save** from the **File** menu or press *Ctrl+S*.
- To save the file by specifying your own filename and different file format, choose Save As from the File menu or press Ctrl+A.

2. A **Save As** dialog box will appear
3. Select the file format to use for saving the Teletext page.



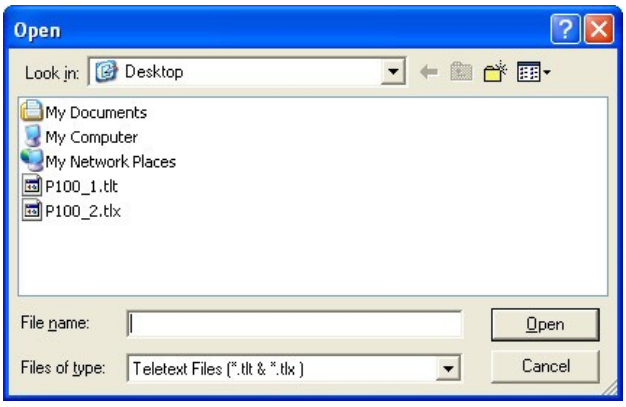
TXT Text file format
BMP Windows bitmap file format
TLT Teletext file format
TLX Teletext file format

4. Enter a filename and click **Save**.

Opening a Teletext Page

1. Choose **Open** from the **File** menu or press *Ctrl+O*.

2. From the Open dialog box, select the file containing the teletext page you want and click **Open**.



Opening Another Teletext Window

- Choose **New Window** from the **File** menu or press *Ctrl+W*.

Closing the Active Teletext Window

- Choose **Close Window** from the **File** menu or press *Ctrl+L* to close the active Teletext page window.

Appendix

Hot Keys

The following is the default definition:

Hot Key	Description	Function
UP/DOWN ARROW	Channel or Frequency Up/Down	Press to go to the next upper/lower TV/Radio channel.
Back / L	Channel Loop	Press to go to the previously accessed TV/Radio channel.
NUMERIC KEYS	Select Channel	Use NUMERIC KEYS to directly enter the TV/Radio channel number.
ESC	Stop or, Change back to Normal View	Stop (playback, recording, TimeShift, or Multi-Channel Preview). Or change full screen back to normal view.
F1	Help	Open the Users Manual.
F2	Minimize	Minimize the application and an icon will appear in the notification area. To return to the previous screen, double click the icon again.
F5	Full Screen	Show TV/Video in full screen.
F6	Display (OSD) information	Display information on the TV monitor.
F8	Multi-Channel Preview	Press to perform Multi-Channel Preview function.
+/- (on your numeric keypad)	Volume	Press to increase or decrease the volume level.
LEFT/ RIGHT ARROW	Rewind/ Fast Forward	Press to rewind or fast forward (for playback and TimeShift).
A	Audio Mode	Choose between available languages.
D	Show/Hide TV Monitor Panel	Toggles between showing and hiding the panel on the TV monitor window.

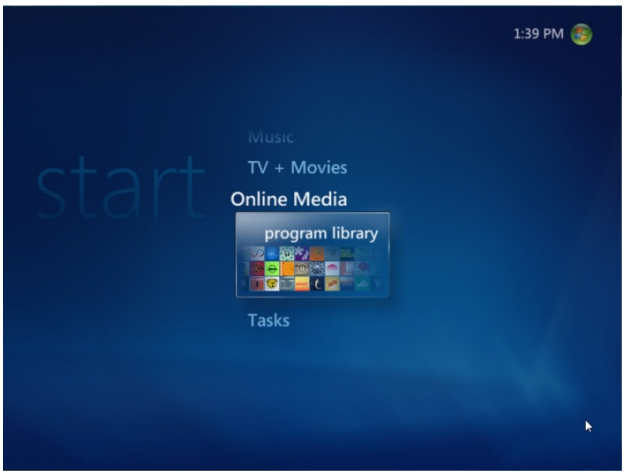
M	Mute	Turn off/on the sound.
P	Play / Pause	Play/Pause (for playback, recording, and TimeShift).
Ctrl + N	Play Next File	Play the next file in the playlist.
Ctrl + P	Play Previous File	Play the previous file in the playlist.
Ctrl + R	Record	Start recording.
Ctrl + S	Snapshot	Capture an image (or a continuous sequence of images).
Ctrl + T	TimeShift	Enable the TimeShift function.
Insert	Transparent	Make Teletext background transparent. (Only available for Teletext overlay mode.)
Page Up	Previous page	Go to the preceding Teletext page.
Page Down	Next page	Go to the succeeding Teletext page.
Home	Home page	Go the Teletext home page.

To customize the definitions of the Keyboard (Hot Keys), please refer to the section **Advanced Operations > Input Settings > Customize Definitions of the Keyboard (Hot Keys)**.

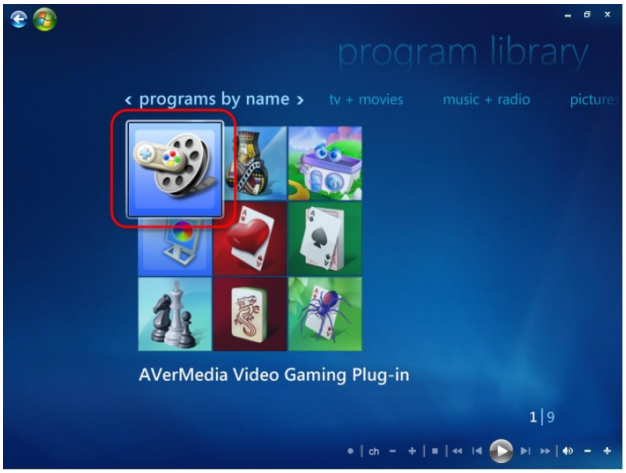
Video Gaming Plug-in (for Microsoft Vista / Win 7 MCE only)

MCE "Video Gaming Plug In" support is for Vista MCE only. After installing the driver, you can access it through the **program library** in **Online Media**. This function enables you to watch composite/S-Video signal source or play games in Vista MCE platform. (Playing games with MCE may cause delay, but you can choose "Video Gaming Plug In" to avoid it and enjoy real-time game play.)

1. Start the **Media Center** in Vista / Windows 7.
2. Select **Online Media** > **program library**.



3. Select **Video Gaming Plug In**.

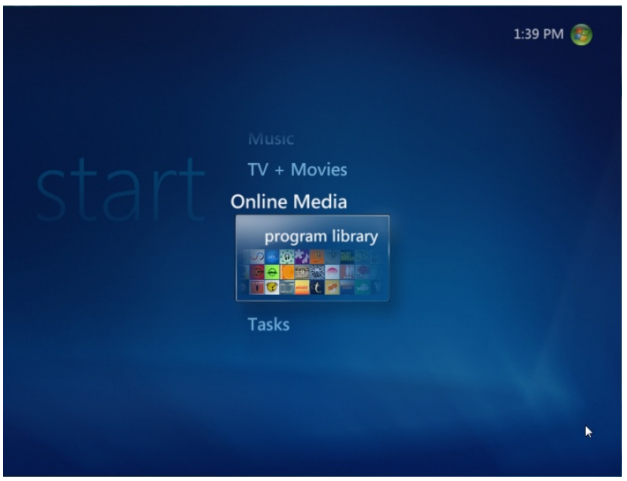


4. Select the video source you want to view via **Video Gaming Plug In**.
5. Click button to view images in a full-screen window. Press **ESC** to exit the full-screen mode.

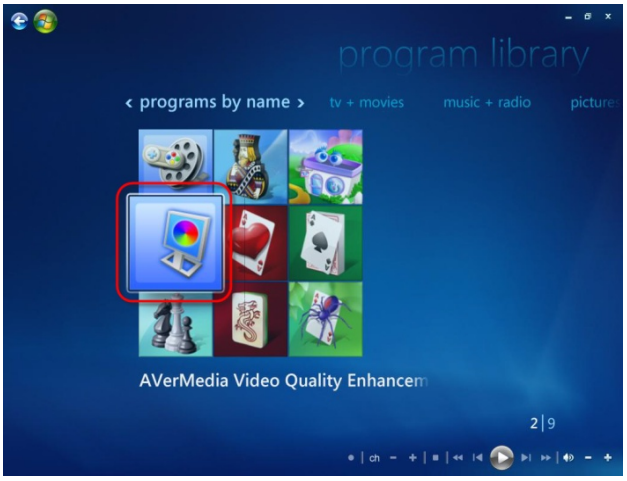
Video Quality Enhancement Plug-in (for Microsoft Vista / Win 7 MCE only)

MCE "Video Quality Enhancement Plug-in" support is for Vista MCE only. After installing the driver, you can access it through the **program library** in **Online Media**. This function enables you to adjust the **Brightness**, **Contrast**, **Hue**, **Saturation** and **Sharpness** until the image color is accurate. The setting you made will be applied to Analog TV, and composite/S-Video signal source.

1. Start the **Media Center** in Vista / Windows 7.
2. Select **Online Media** > **program library**.



3. Select **Video Quality Enhancement Plug-in**.



4. Select the item you want to adjust.

5. Use the following buttons to adjust the value of the item.

Decrease Brightness and Hue values by 32.

Decrease Contrast and Saturation values by 16.

Decrease Sharpness value by 8.

Decrease Brightness and Hue values by 16.

Decrease Contrast and Saturation values by 8.

Decrease Sharpness value by 4.

Decrease the item value by 1.

Reset the item value back to its default.

Increase the item value by 1.

Increase Brightness and Hue values by 16.

Increase Contrast and Saturation values by 8.

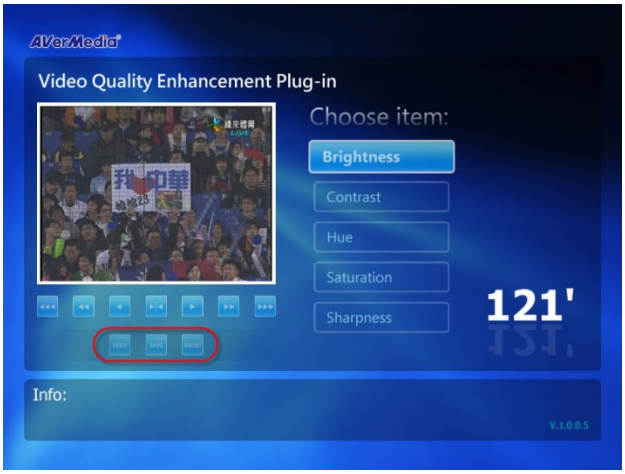
Increase Sharpness value by 4.

Increase Brightness and Hue values by 32.

Increase Contrast and Saturation values by 16.

Increase Sharpness value by 8.

6. Click button to reset all items back to their default settings.
7. Or click button to save all the settings.
8. If you want to exit without saving, click button .



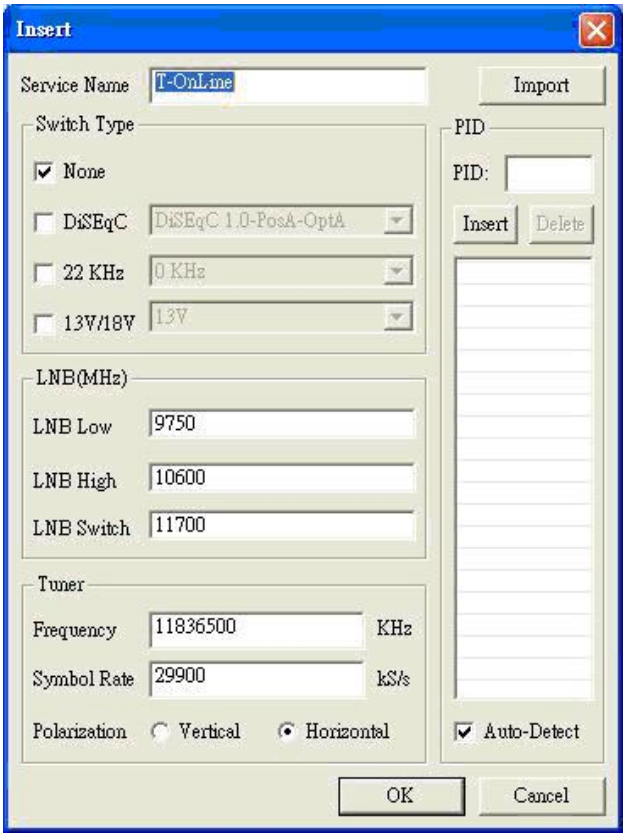
Satellite Internet Access

Satellite Internet Access allows users to get faster connection to the internet via satellite.

Simply follow the steps below:

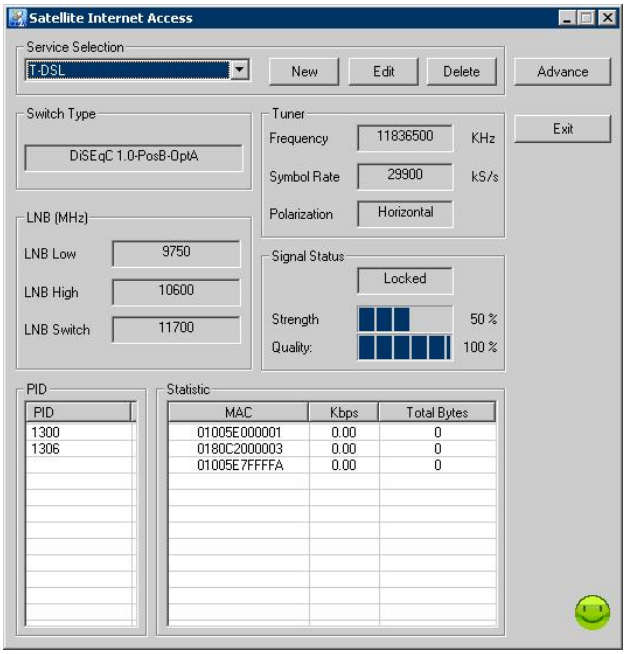
If you use one specific satellite service to watch satellite TV and access the internet, click **Insert > Import** to apply the existing satellite data from AVerTV 3D and you may skip step 1 to 4.

1. In the **Satellite Internet Access** dialog box, click **Insert** and an **Insert** dialog box appears.
2. Enter the desired name in the **Service Name** text box.
3. In the **Switch Type** section, choose the type that is used by your satellite system.
4. In the **LNB (MHz)** section, configure your own LNB information, such as input range.
5. In the **Tuner** section, specify the correct frequency, symbol rate, and polarization.
6. In **PID** section, enter the correct PID value. If there are PID values missing, it is recommended to use **Auto-Detect** to search for more PID values. After searching, all active PID will be displayed inside the box.
7. Click **OK** to save the settings or **Cancel** to leave without saving.
8. In the **Satellite Internet Access** dialog box, click **Edit** to modify the data or **Delete** to permanently remove the selected data.



9. Different lamp indicates different status:

   - **Dark Red** indicates your satellite configuration is at wrong setting.
   - **Dark Green** indicates the satellite signal is available but no Internet data transmission occuring that time.
   - **Light Green** indicates you have connected to the Internet successfully.



10. Click **Advance** to customize the Satellite Internet Access.

- **Start to Tray:** Select to minimize the application and an icon will appear in the notification area.
- **Notify When Close:** Select to inform you when exiting the application.
- **MAC Address:** By default, the system detects MAC value automatically. Or click **EDIT** to enter your MAC value.

FAQ

Q : Before setting up, what should I prepare?
A : Satellite Internet Service requires you to have an ISP account and a Modem for sending commands to the Internet.

Q : Should I pay for Satellite Internet Access?
A : The charge for the service will be mainly determined by your Internet Service Provider (ISP). For details about the fee rate, please contact your ISP.

Q : Why can't I activate Satellite Internet Access?
A : You cannot activate AVerTV 6/AVer MediaCenter and Satellite Internet Service at the same time so please make sure you have already exited the AVerTV 6.0/ AVer MediaCenter.

Q : Why can't I still access the Internet after setting up?
A : Our default IP address is 192.168.14.61. If there is something wrong with connecting to the website, please make sure that there is no IP address conflict in your computer.

Q : How can I get the PID value?
A : Please contact your ISP to obtain the related data.

Q : Where can I find the LNB information?

A : Refer to the documentation that comes with your LNB device.

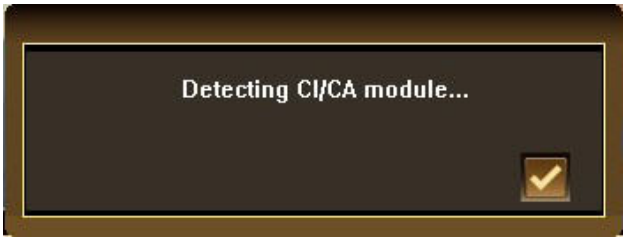
Universal DVB Plug-in

Some AVerMedia devices, such as AVerTV Satellite PCI / AVerTV Satellite Hybrid + FM, are shipped with a "Universal DVB" plug-in program for Windows XP or Vista Media Center Edition (MCE), providing you to watch or record Satellite TV programs (and analog programs for AVerTV Satellite PCI / AVerTV Satellite Hybrid + FM) directly under the infertace of Microsoft Media Center Edition.

Common Interface for Conditional Access

The AVerMedia device with CI/CA functions enables you to watch Satellite scrambled pay channels when you have a subscription SmartCard and an appropriate CAM (Conditional Access Module). How many scrambled channels you can watch will vary depending on the SmartCard you purchase.

1. As soon as the AVerTV 3D application is activated, the **Detecting CI/CA module** dialog appears notifying you AVerTV 3D begins detecting if there is any CI/CA module inserted. Click if you want it to close the dialog box while the dectecting process remains.
2. If the device is connected with a CAM, the process of Initializing CI begins.
3. Configure Satellite TV settings and finish scanning channels.
4. If you have inserted a valid SmartCard, you are allowed to see the scrambled pay channel. Sometimes, when you switch to the scrambled pay channel, the **Common Interface** dialog may appear for you to key in the pincode. (This step is optional depending on the SmartCard you use).
5. To see the CI/CA information, right click on the TV monitor, and select **CI/CA information**. The **Common Interface** dialog appears. (The messages included in the **Common Interface** dialog vary depending on the CAM and SmartCard you purchase.)



Remote Control

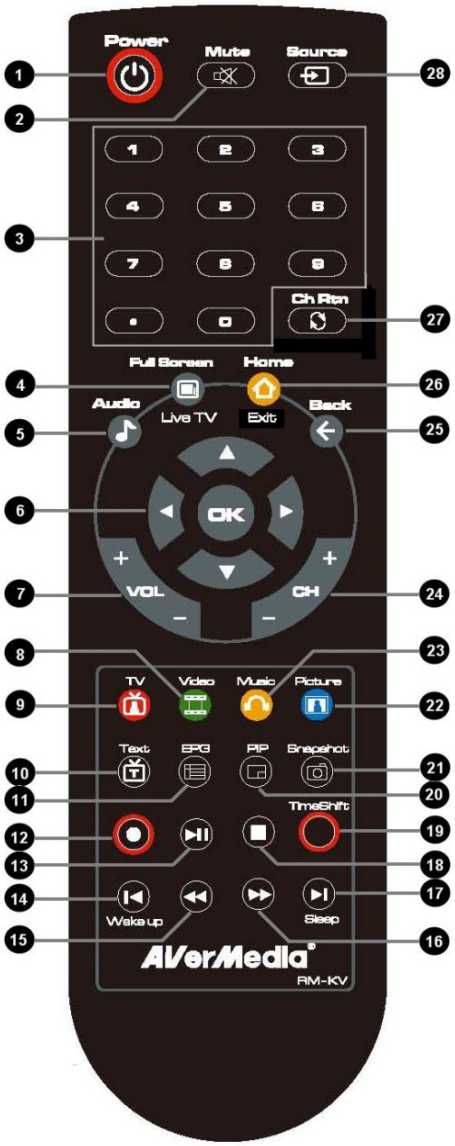
You can use remote control to turn on/off the programs, select channels, adjust volume and so on. When the AVerTV 3D is closed, pressing the POWER button of remote control for 3 seconds to shut down the computer immediately.

1. To control *two or more than two cards/devices with a remote control, it is recommended to enable the multiple infrared receiver function first. To do this, right click AVerQuick icon* *at the lower right corner of the screen, choose "**Setting**", "**Remote control**" tab and select check boxes next to the device name. Please check your supported remote control model before activating this function.*
2. To control 3D functions (3D View / 3D Record / see3D View / see3D Record) with the remote control, please first remap the remote keys. Refer to the section **Advanced Operations > Input Settings > Changing Definitions of the Remote Control Buttons** for details.

Battery Safety Information:

- Store the batteries in a cool dry place.
- Do not dispose of used batteries in domestic waste. Dispose of batteries at special collection points or return to point of sale if applies.
- Remove the batteries during long periods of non-use. Always remove exhausted batteries from the remote control. Battery leakage and corrosion can damage this remote control, dispose of batteries safely.
- Do not mix old and new batteries.
- Do not mix different types of batteries: alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium).
- Do not dispose of batteries in a fire. The batteries may explode or leak.
- Never short circuit the battery terminals.

Model: RM-KV



Button	Description
(1)	Turn on/off the application.
(2)	Turn off/on the sound.
(3)	Use numeric buttons to select a channel.
(4)	Display TV in full screen.
(5)	Change between available audio modes.
(6)	No function
(7)	Volume up / Volume down.
(8)	**Teletext Mode**: Jump to the teletext page of the button color.
(9)	**Teletext Mode**: Jump to the teletext page of the button color.

(10)	View Teletext / Close Caption information.
(11)	View EPG information. (This function is only available for digital TV)
(12)	Record the current program.
(13)	Play the selected file or pause the playback.
(14)	- Go to the previous item in the playlist. - Set the time to bring your computer out of Stand By or Hibernate mode.
(15)	Rewind in intervals.
(16)	Fast forward in intervals.
(17)	- Go to the next item in the playlist. - Set the time to put your computer into Stand By / Hibernate mode, exit the application or turn off the computer.
(18)	Stop the playback, recording, TimeShift, etc.
(19)	- Switch from Live TV or Radio to TimeShift mode. - Pause the playback.
(20)	Activate the Picture in Picture (PIP) / Multi-Channel Preview function.
(21)	Screen capture.
(22)	**Teletext Mode**: Jump to the teletext page of the button color.
(23)	**Teletext Mode**: Jump to the teletext page of the button color.
(24)	Channel up and channel down.
(25)	Go back to the previous page. (This function is only available for AVer MediaCenter) Exit 3DTV mode.
(26)	Exit from CI/CA Information dialog. (This function is only available for the device supporting CI/CA interface.)
(27)	Return to the previous channel.
(28)	Switch between available signal sources.

Customer Service

The AVerTV 3D application provides a convenient tool, which allows users to obtain product information and service easily via our website. Please make sure that you have already connected to the Internet.

To do this

1. Right-click on the TV monitor window. When a menu list pops up, choose **About**.
2. When an information dialog box appears, click to access the product information webpage. Or you can click to connect to our technical support webpage.
3. To exit the current dialog box, click .